

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



IFW A871751
JAS

OBLON
SPIVAK
McCLELLAND
MAIER
&
NEUSTADT
P.C.

Docket No.: 210356US0

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

ATTORNEYS AT LAW

RICHARD L. TREANOR
(703) 412-6007
RTREANOR@OBLON.COM

JEFFREY B. MCINTYRE
(703) 413-3000
JMCINTYRE@OBLON.COM

*BAR OTHER THAN VIRGINIA

RE: Application Serial No.: 09/903,769

Applicants: Laurence SEBILLOTTE-ARNAUD, et al.

Filing Date: July 13, 2001

For: COSMETIC CLEANING COMPOSITION

Group Art Unit: 1751

Examiner: B. Mruk

SIR:

Attached hereto for filing are the following papers:

**APPEAL BRIEF w/APPENDIX (In Triplicate); and
ATTACHMENT (Tabs A-C from the International Cosmetic
Ingredient Dictionary and Handbook).**

Our credit card payment form in the amount of \$330.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.
Norman F. Oblon

Richard L. Treanor
Registration No. 36,379

Jeffrey B. McIntyre
Registration No. 36,867

Customer Number

22850

(703) 413-3000 (phone)
(703) 413-2220 (fax)



Docket No. 210356US0

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :
Laurence SEBILLOTTE-ARNAUD, et al. : EXAMINER: B. MRUK
SERIAL NO: 09/903,769 :
FILED: JULY 13, 2001 : GROUP ART UNIT: 1751
FOR: COSMETIC CLEANSING COMPOSITION

APPEAL BRIEF

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Appellants submit this brief in response to the Final Rejection dated October 22, 2003.

REAL PARTY IN INTEREST

The real party in interest herein is L'Oréal S.A. of Paris, France.

05/24/2004 JADDO1 00000040 09903769

01 FC:1402 330.00 DP

RELATED APPEALS AND INTERFERENCES

Real party in interest L'Oréal S.A. filed an Appeal Brief in connection with U.S. patent application serial no. 09/903,785 on May 17, 2004. This application may be related to the present application.

Application No. 09/903,769
Response to Final Rejection dated October 22, 2003

STATUS OF CLAIMS

Claims 1-4 and 6-29 are pending, although claims 17-20 have been withdrawn from consideration. Because withdrawn method claims 17-20 depend from claim 1, Appellants respectfully request that these claims be reinstated in the present application and considered on appeal.

STATUS OF AMENDMENTS

All amendments and remarks filed in this case have been entered and considered.

SUMMARY OF INVENTION

The invention relates to compositions containing, in a physiologically acceptable medium, (1) at least one foaming surfactant, (2) 1-15 % by weight of at least one hydrophobic silica, and (3) at least one oxyalkylenated compound. (Specification at page 3, lines 9-13 and page 5, line 2). In the invention compositions, the oxyalkylenated compound is a thickening agent. (Specification at page 3, lines 16-20). Furthermore, the invention compositions contain at least 35 % by weight of water. (Specification at page 4, lines 5-9).

The invention also relates to methods of using the invention compositions to cleanse skin and/or hair, to remove make-up, to treat greasy skin, and/or to disinfect skin. (Specification at page 20, line 17 through page 21, line 12).

Application No. 09/903,769
Response to Final Rejection dated October 22, 2003

ISSUE

1. Whether Claims 1-4, 6-13, 16, 21, 22, 23, 25 and 27-29 Are Anticipated By Uemura.
2. Whether The Pending Claims Are Obvious Over Glenn.

GROUPING OF CLAIMS

The claims do not stand or fall together. Each claim stands individually, and in the argument section provided below Appellants explain why the claims are each separately patentable, one from the other.

ARGUMENT

The invention compositions require the presence of (1) at least one foaming surfactant, (2) 1-15 % by weight of at least one hydrophobic silica, and (3) at least one oxyalkylenated compound. Together, these required compounds allow the preparation of foaming products having unique viscosity characteristics. Specifically, synergism between the hydrophobic silica and the oxyalkylenated compound allows the invention compositions to be unexpectedly and surprisingly thick.

As demonstrated in comparative examples 1 and 2 set forth on page 22 of the present specification, the presence of an oxyalkylenated compound yields a composition having a viscosity of 59 poises, while the presence of hydrophobic silica yields a composition having a viscosity of 1-100 centipoises. Based on the thickness of these compositions, one would

Application No. 09/903,769
Response to Final Rejection dated October 22, 2003

expect a composition having both of these compounds to have a viscosity of no more than 60 poises.

However, as demonstrated in invention example 1 on page 22, the invention composition having both of these compounds actually has a thickness of 97 poises, approximately 65% greater thickness than would have been expected based on the thickness of the individual comparative examples. Thus, the invention compositions represent an unexpected advance in the art.

Regarding the §102 rejection, Uemura's example 7 does not contain a hydrophobic silica or a foaming surfactant. Accordingly, this rejection is improper.

In an attempt to support the § 102 rejection, the Examiner relies upon the unsupported beliefs that the silica in Uemura's example 7 is inherently hydrophobic and that Appellants have the burden of proving that such silica is hydrophilic to overcome this rejection. These beliefs are wrong.

First, it cannot be assumed that the silica in Uemura's example 7 is hydrophobic. Silica is not inherently hydrophobic. Rather, it is generally hydrophilic (but can be modified so that it is hydrophobic).¹ Silica is usually desiccant. Because Uemura does not expressly state that the silica in his example 7 is modified so as to be hydrophobic, it does not necessarily follow that Uemura's silica is hydrophobic. Indeed, given that silica is hydrophilic unless modified, it is more likely that Uemura's silica is hydrophilic. Because it does not necessarily follow that the silica in Uemura's example 7 is hydrophobic, example 7

¹ See, U.S. patents 5,843,407 (col. 5, lines 60-62) and 4,119,712 (col. 1, lines 39-42) submitted with Appellants' January 22, 2004, Request for Reconsideration.

Application No. 09/903,769

Response to Final Rejection dated October 22, 2003

does not inherently contain hydrophobic silica, making §102 rejection improper. *See, Eli Lilly & Co. v. Barr Laboratories, Inc.*, 251 F.3d 955 (Fed. Cir. 2001)(inherent anticipation requires that the claimed invention necessarily result from the prior art disclosure).

Second, to the extent Appellants have any burden of proof on this issue, it is not the burden of proving that example 7's silica is hydrophilic. Rather, Appellants need only demonstrate that the silica in example 7 is not necessarily hydrophobic (that is, that the silica is not inherently hydrophobic) to overcome the rejection. Appellants have satisfied this burden. The only evidence of record, which was submitted by Appellants,² demonstrates that silica is generally hydrophilic unless modified, and that Uemura does not indicate that example 7's silica has been modified in any way.

Similarly, the Examiner relies upon the mistaken belief that Uemura's example 7 contains a foaming surfactant to support the §102 rejection. However, the ethoxylated castor oil in example 7 is not a foaming surfactant.³ The Examiner has not presented any evidence to the contrary. Moreover, the glycerol derivative in example 7 (1-hexyl-3-undecamethylhexasiloxane propynyl glycerol) is an "oil component" for combination with Uemura's polymers, not a foaming surfactant. (See, Uemura (B1 version) at page 3, line 57 through page 4, line 10). Again, the Examiner has not presented any evidence to the contrary,

² See footnote 1.

³ See Tab A which is the International Cosmetic Ingredient Dictionary and Handbook's entry for PEG-40 hydrogenated castor oil. The Dictionary identifies PEG-40 hydrogenated castor oil as an emulsifying surfactant, not a cleansing surfactant.

See also, Tabs B and C which are the Dictionary's listings for cleansing and emulsifying surfactants, respectively. Again, PEG-40 hydrogenated castor oil is identified as an emulsifying surfactant, not a cleansing surfactant.

Because foaming surfactants are cleansing surfactants, not emulsifying surfactants, it follows that PEG-40

only unsupported assertions. Thus, Uemura does not contain a foaming surfactant either, making the §102 rejection improper for this reason as well.

Regarding the §103 rejections based on the Glenn references (collectively referred to as “Glenn”), Glenn must motivate or suggest to one skilled in the art to combine all three required ingredients into a single composition for the invention compositions to be *prima facie* obvious under 35 U.S.C. §103. Glenn, however, does not provide the necessary suggestion or motivation. In particular, Glenn does not teach or suggest adding an oxyalkylenated **thickening agent** to his compositions. Accordingly, Glenn does not teach or suggest the invention compositions or methods.

Glenn does not disclose or suggest adding oxyalkylenated thickening agents to his compositions. For oxyalkylenated compounds to be thickening agents, they must have a substantial degree of oxyalkylenation. (See, pages 6-12 of the present specification). Glenn neither teaches nor suggests such compounds. Rather, Glenn discloses oxyalkenylated compounds suitable for use in his compositions as humectants, solutes and surfactants. Given the purpose for which Glenn includes such compounds in his compositions, these compounds are not going to have a substantial degree of oxyalkylenation, which means that they will not be thickening agents. This is particularly true in view of the fact that Glenn’s compositions are liquid.

In support of the § 103 rejections, the Examiner asserts that Glenn’s disclosing the use of polyethylene glycol as a humectant/solute discloses the use of polyethylene glycol as a thickening agent. This assertion overlooks the fact that the present application discloses the

hydrogenated castor oil is not a foaming surfactant.

use of polyethylene glycols which are not thickening agents as humectants/solutes (see, page 19, line 12) as well as the use of different polyethylene glycols as thickening agents (see, page 7, line 10 et seq.). Clearly, polyethylene glycols which are not thickening agents differ from those which are thickening agents in the context of the present invention, so Glenn's disclosure of those which are not thickening agents cannot disclose or suggest the required thickening agents.

The significance of the requirement that the required oxyalkylenated compounds be thickening agents is demonstrated by the examples in the present specification. Comparative example 2 (page 22) does not contain PEG-120 methylgluclose dioleate, an oxyalkylenated thickening agent, but it does contain two of Glenn's acceptable solutes/humectants, sorbitol and glycerol. (See, Glenn at col. 13, lines 14-15). This composition has a viscosity of 1-100 centipoises. Thus, compositions containing only Glenn's solutes/humectants result in unacceptable, non-viscous products. However, when thickening agent PEG-120 methylgluclose dioleate is added, the resulting composition is substantially more viscous, having a viscosity of 97 poises. (Example 1, page 22). Thus, adding the claimed oxyalkylenated compound in a composition thickening effective amount results in a product having superior, more desirable properties, whereas adding Glenn's solutes/humectants does not.

Even assuming that a *prima facie* case of obviousness has been established – which is not the case – the unexpected viscosity properties associated with the invention compositions set out earlier in this argument are sufficient to rebut such a hypothetical case of *prima facie* obviousness.

Application No. 09/903,769

Response to Final Rejection dated October 22, 2003

In view of the above, Appellants respectfully submit that the present claims are in condition for allowance, and that the pending rejection should be REVERSED.

Each dependent claim similarly points out and describes a patentable invention neither disclosed nor suggested by the applied prior art. These claims themselves are separately patentable.

Claim 2 is a composition claim further requiring the presence of 35-95% water. Both Uemura and Glenn neither teach nor suggest compositions having a foaming surfactant, 1-15% hydrophobic silica, an oxyalkylenated compounds and 35-95% water, nor do they recognize or suggest any benefits associated with such compositions.

Claims 3 and 29, each separately patentable, are composition claims which further requires the composition to have specific viscosity properties. Nowhere does Uemura or Glenn describe or allude to compositions having such characteristics, or to any benefits resulting from a composition having such viscosity properties.

Claims 4 and 23-26, each separately patentable, further require the presence of specific amounts of hydrophobic silica. Uemura and Glenn neither teach nor suggest compositions having a foaming surfactant, the amounts of hydrophobic silica specified by these claims, and an oxyalkylenated compound, nor do they recognize or suggest any benefits associated with such compositions.

Claims 6 and 7, each separately patentable, are composition claims further requiring the presence of specific hydrophobic silicas. Uemura and Glenn neither teach nor suggest compositions having a foaming surfactant, the hydrophobic silicas specified in these claims,

Application No. 09/903,769
Response to Final Rejection dated October 22, 2003

and an oxyalkylenated compound, nor do they recognize or suggest any benefits associated with such compositions.

Claim 8 is a composition claim further requiring the presence of 1-20% oxyalkylenated compound. Uemura and Glenn neither teach nor suggest compositions having a foaming surfactant, a hydrophobic silica, and 1-20% oxyalkylenated compound, nor do they recognize or suggest any benefits associated with such compositions.

Claims 9-11, 22 and 27-28, each separately patentable, are composition claims requiring the presence of specific oxyalkylenated thickening compounds. Uemura and Glenn neither teach nor suggest compositions having a foaming surfactant, a hydrophobic silica, and the oxyalkylenated compounds specified in these claims, nor do they recognize or suggest any benefits associated with such compositions.

Claims 12, 14 and 15, each separately patentable, are composition claims further requiring the presence of specific surfactants. Uemura and Glenn neither teach nor suggest compositions having the foaming surfactants specified in the claims, a hydrophobic silica, and an oxyalkylenated compound, nor do they recognize or suggest any benefits associated with such compositions.

Claim 13 is a composition claim further requiring the presence of 2-50% foaming surfactant. Uemura and Glenn neither teach nor suggest compositions having 2-50% foaming surfactant, a hydrophobic silica, and an oxyalkylenated compound, nor do they recognize or suggest any benefits associated with such compositions.

Claim 16 is a composition claim further requiring the presence of specific solvents. Uemura and Glenn neither teach nor suggest compositions having a foaming surfactant, 1-

Application No. 09/903,769

Response to Final Rejection dated October 22, 2003

15% hydrophobic silica, an oxyalkylenated compound and the solvents specified in this claim, nor do they recognize or suggest any benefits associated with such compositions.

Claims 17-20, each separately patentable, are method claims further requiring use of the invention compositions to cleanse skin and/or hair, to remove make-up, to treat greasy skin, and/or to disinfect skin, respectively. Nowhere do Uemura and Glenn describe or allude to using compositions having a foaming surfactant, 1-15% hydrophobic silica, and an oxyalkylenated compound for such purposes, or to any benefits resulting from such use of such compositions.

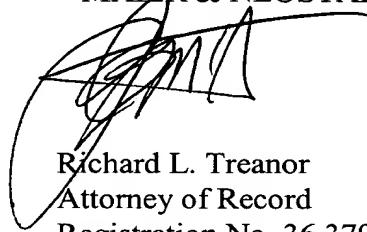
Claim 21 is a composition claim which further requires the composition to be a face mask. Nowhere do Uemura and Glenn describe or allude to compositions having a foaming surfactant, 1-15% hydrophobic silica, and an oxyalkylenated compound applied as a face mask, or to any benefits resulting from such a face mask.

Application No. 09/903,769
Response to Final Rejection dated October 22, 2003

Accordingly, in view of the above remarks and reasons explaining the patentable distinctness of the presently appealed claims over the applied prior art, Appellants request that the Examiner's rejections all be REVERSED.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Richard L. Treanor
Attorney of Record
Registration No. 36,379

Jeffrey B. McIntyre
Registration No. 36,867

Customer Number

22850

Tel #: (703) 413-3000
Fax #: (703) 413-2220

APPENDIX

Claim 1 (Previously Presented): A cleansing composition, comprising:
(1) at least one foaming surfactant, (2) at least one hydrophobic silica and (3) at least one oxyalkylenated compound thickening agent in a physiologically acceptable aqueous medium comprising at least 35% by weight of water relative to the total weight of the composition, wherein the amount of hydrophobic silica ranges from 1% to 15% on an active material weight basis relative to the total weight of the composition.

Claim 2 (Original): The composition of Claim 1, which comprises from 35% to 95% by weight of water relative to the total weight of the composition.

Claim 3 (Original): The composition of Claim 1, which has a viscosity ranging from 7 to 20 Pa·s.

Claim 4 (Previously Presented): The composition of Claim 22, wherein the amount of silica(s) is at least 1% on an active material weight basis relative to the total weight of the composition.

Claim 5 (Canceled).

Claim 6 (Original): The composition of Claim 1, wherein the hydrophobic silica is selected from the group consisting of amorphous silicas of pyrogenic origin.

Claim 7 (Original): The composition of Claim 1, wherein the hydrophobic silica is selected from the group consisting of silicas having a specific surface ranging from 50 to 500 m²/g, a number-average particle size ranging from 3 to 50 nm and a compacted density ranging from 40 to 200 g/1.

Application No. 09/903,769

Response to Final Rejection dated October 22, 2003

Claim 8 (Original): The composition of Claim 1, wherein the amount of oxyalkylenated compound ranges from 1% to 20% on an active material weight basis relative to the total weight of the composition.

Claim 9 (Previously Presented): The composition of Claim 1, wherein the oxyalkylenated compound is selected from the group consisting of polyethylene glycols, polyethylene glycol esters, polypropylene glycol esters, polyethylene glycol ethers, polypropylene glycol ethers, alkoxylated alkyl derivatives of polyols, oxyalkylenated triesters of glycerol, oxyalkylenated triesters of fatty acids, ethoxyethylenated urethane derivatives modified with alkyl chains, and mixtures thereof.

Claim 10 (Original): The composition of Claim 9, wherein the polyethylene glycol esters have the formula:



wherein $0 < m \leq 300$ and $0 \leq n \leq 300$ and $m + n \geq 6$, R and R' represent, independently of each other, hydrogen or a saturated or unsaturated, linear or branched, hydroxylated or non-hydroxylated alkyl chain containing from 1 to 30 carbon atoms, or an aryl chain, with the proviso that R and R' are not simultaneously hydrogen.

Claim 11 (Original): The composition of Claim 9, wherein the polyethylene glycol ethers and/or polypropylene glycol ethers have the formula:



in which $0 \leq m \leq 300$ and $0 \leq n \leq 300$ and $m + n \geq 6$, R and R' represent, independently of each other, hydrogen or a saturated or unsaturated, linear or branched, hydroxylated or non-hydroxylated alkyl chain containing from 1 to 30 carbon atoms, or an aryl chain, with the proviso that R and R' are not simultaneously hydrogen.

Claim 12 (Original): The composition of Claim 1, wherein the foaming surfactant is selected from the group consisting of nonionic surfactants, anionic surfactants, amphoteric surfactants and zwitterionic surfactants, and mixtures thereof.

Claim 13 (Original): The composition of Claim 1, wherein the amount of foaming surfactant ranges from 2% to 50% on an active material weight basis relative to the total weight of the composition.

Claim 14 (Original): The composition of Claim 1, wherein the foaming surfactant is selected from the group consisting of alkyl polyglucosides, maltose esters, polyglycerolated fatty alcohols, glucamine derivatives, carboxylates, amino acid derivatives, alkyl sulfates, alkyl ether sulfates, sulfonates, isethionates, taurates, sulfosuccinates, alkyl sulfoacetates, phosphates and alkyl phosphates, polypeptides, anionic alkyl polyglucoside derivatives, fatty acid soaps, betaines, N-alkylamidobetaines and derivatives thereof, glycine derivatives, sultaines, alkyl polyaminocarboxylates and alkylamphoacetates, and mixtures thereof.

Claim 15 (Original): The composition of Claim 12, wherein the foaming surfactant is selected from the group consisting of an anionic surfactant which is an acylsarcosinate, an oxyethylenated alkyl ether sulfate, an N-aryl N-methyltaurate, an N-acylglutamate, an acylisethionate, an sulfosuccinate, a phosphate or an alkyl phosphate; a polypeptide or a soap; an amphoteric or zwitterionic surfactant which is a betaine or an alkylamphoacetate; a nonionic surfactant which is an alkyl polyglucoside, O-octanoyl-6'-D-maltose, O-dodecanoyl-6'-D-maltose, polyglycerolated dodecanediol (3.5 mole of glycerol) and 2-ethylhexyloxycarbonyl-N-methylglucamine; and mixtures of these surfactants.

Application No. 09/903,769

Response to Final Rejection dated October 22, 2003

Claim 16 (Original): The composition of Claim 1, which further comprises at least one solvent selected from the group consisting of alcohols comprising from 1 to 6 carbon atoms and polyols, and mixtures thereof.

Claim 17 (Original): A method of treating the skin, the eyes, the scalp and/or the hair, comprising:

applying the composition of Claim 1 to the skin, the eyes, the scalp and/or the hair thereby cleansing and/or removing make-up from the skin, the eyes, the scalp and/or the hair.

Claim 18 (Original): A method of treating greasy skin, comprising:

applying the composition of Claim 1 to the skin, thereby removing grease from the skin.

Claim 19 (Original): A method of disinfecting the skin and/or the scalp, comprising:

applying the composition of Claim 1 to the skin and/or the scalp, thereby disinfecting the skin and/or the scalp.

Claim 20 (Original): A method of cleansing the skin, the eyes, the scalp and/or the hair, comprising:

applying the composition of Claim 1 to the skin, the eyes, the scalp and/or the hair in the presence of water thereby forming a lather; and

removing the lather containing soiling residues by rinsing the lather from the skin, the eyes, the scalp and/or the hair with water.

Claim 21 (Original): A cosmetic mask, comprising:

an applied composition of Claim 1 as a mask on the skin of the face.

Claim 22 (Previously Presented): A cleansing composition, comprising:

(1) at least one foaming surfactant, (2) at least one hydrophobic silica and (3) at least one oxyalkylenated compound in a physiologically acceptable aqueous medium comprising at least 35% by weight of water relative to the total weight of the composition, wherein the oxyalkylenated compound is a thickening agent selected from the group consisting of polyethylene glycols, polyethylene glycol esters, polypropylene glycol esters, polyethylene glycol ethers, polypropylene glycol ethers, alkoxylated alkyl derivatives of polyols, oxyalkylenated triesters of glycerol, oxyalkylenated triesters of fatty acids, ethoxyethylenated urethane derivatives modified with alkyl chains, and mixtures thereof.

Claim 23 (Previously Presented): The composition of Claim 1, wherein the amount of hydrophobic silica ranges from 2% to 10% on an active material weight basis relative to the total weight of the composition.

Claim 24 (Previously Presented): The composition of Claim 23, wherein the amount of hydrophobic silica ranges from 2% to 6% on an active material weight basis relative to the total weight of the composition.

Claim 25 (Previously Presented): The composition of Claim 4, wherein the amount of hydrophobic silica ranges from 2% to 10% on an active material weight basis relative to the total weight of the composition.

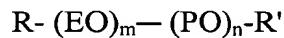
Claim 26 (Previously Presented): The composition of Claim 25, wherein the amount of hydrophobic silica ranges from 2% to 6% on an active material weight basis relative to the total weight of the composition.

Claim 27 (Previously Presented): The composition of Claim 22, wherein the polyethylene glycol esters have the formula:



wherein $0 < m \leq 300$ and $0 \leq n \leq 300$ and $m + n \geq 6$, R and R' represent, independently of each other, hydrogen or a saturated or unsaturated, linear or branched, hydroxylated or non-hydroxylated alkyl chain containing from 1 to 30 carbon atoms, or an aryl chain, with the proviso that R and R' are not simultaneously hydrogen.

Claim 28 (Previously Presented): The composition of Claim 22, wherein the polyethylene glycol ethers and/or polypropylene glycol ethers have the formula:



in which $0 \leq m \leq 300$ and $0 \leq n \leq 300$ and $m + n \geq 6$, R and R' represent, independently of each other, hydrogen or a saturated or unsaturated, linear or branched, hydroxylated or non-hydroxylated alkyl chain containing from 1 to 30 carbon atoms, or an aryl chain, with the proviso that R and R' are not simultaneously hydrogen.

Claim 29 (Previously Presented): The composition of Claim 1, which has a viscosity ranging from 9 to 15 Pa·s.

International Cosmetic Ingredient Dictionary and Handbook

**Seventh Edition
1997**

Editors

John A. Wenninger
G. N. McEwen, Jr., Ph.D., J.D.

Volume 2

Published by

The Cosmetic, Toiletry, and Fragrance Association
1101 17th Street, N.W., Suite 300
Washington, DC 20036-4702

PEG-40 Hydrogenated Castor Oil

PEG-40 HYDROGENATED CASTOR OIL

CAS Number: 61788-85-0 (generic)

Definition: PEG-40 Hydrogenated Castor Oil is a polyethylene glycol derivative of Hydrogenated Castor Oil (q.v.) with an average of 40 moles of ethylene oxide.

Information Sources: 21CFR177.2800, CTFA S, NF XVIII, TSCA, USAN

Chemical Classes: Alkoxylated Alcohols; Glyceryl Esters and Derivatives

Functions: Surfactant - Emulsifying Agent; Surfactant - Solubilizing Agent

Reported Product Categories: Tonics, Dressings, and Other Hair Grooming Aids; Aftershave Lotions; Body and Hand Preparations (Excluding Shaving Preparations); Cleansing Products (Cold Creams, Cleansing Lotions, Liquids and Pads); Skin Care Preparations, Misc.; Bath Preparations, Misc.; Moisturizing Preparations; Colognes and Toilet Waters; Skin Fresheners; Hair Preparations (Non-coloring), Misc.; Personal Cleanliness Products, Misc.; Hair Wave Sets; Bath Soaps and Detergents; Paste Masks (Mud Packs); Shaving Preparations, Misc.; Fragrance Preparations, Misc.; Indoor Tanning Preparations; Eye Shadows; Mascara; Hair Sprays (Aerosol Fixatives); Face Powders; Face and Neck Preparations (Excluding Shaving Preparations); Foundations

Technical Names:

Polyethylene Glycol 2000 Hydrogenated Castor Oil

Polyoxyethylene (40) Hydrogenated Castor Oil

Trade Names:

Akyporox CO 400 (Chem-Y)

Calgene Nonionic GRH-40 (Calgene)

Cremophor CO 40 (BASF)

Cremophor RH 40 (BASF)

Cremophor RH 410 (BASF)

Croduret 40 (Corda Oleochemicals)

Emulsifier 17 P (Grau)

Jeechem CAH-40 (Jeen)

Lipocol HCO-40 (Lipo)

Lipovol HCO-40 (Lipo)

Nikkol HCO-40 (Nikkol)

Protachem CAH-40 (Protameen)

Simulsoi 1293 (Sol) (SEPPIC)

Sipotrig HCO-40 (Specialty Industrial)

Sympatens-TRH/400 (Kolb)

Tagat R40 (Goldschmidt)

Unipeg-CO-40H (Universal Preserv-A-Chem)

Witconol 2739 (Witco)

Trade Name Mixtures:

Biobranil Watersoluble 2/012600 (Dragoco)

Bio-Sulphur Liquid (Novaram)

Chamazulene - HCE (Seporga)

Chamomile CL 2/033026 (Dragoco)

PEG-60 Hydrogenated Castor Oil

Technical Names:

Polyethylene Glycol (50) Hydrogenated Castor Oil
Polyoxyethylene (50) Hydrogenated Castor Oil

Trade Names:

Croduret 50 (Corda Oleochemicals)
Nikkol HCO-50 (Nikkol)

PEG-54 HYDROGENATED CASTOR OIL

CAS Number: 61788-85-0 (generic)

Definition: PEG-54 Hydrogenated Castor Oil is a polyethylene glycol derivative of Hydrogenated Castor Oil (q.v.) with an average of 54 moles of ethylene oxide.

Information Sources: 21CFR177.2800

Chemical Classes: Alkoxylated Alcohols; Glyceryl Esters and Derivatives

Functions: Surfactant - Cleansing Agent; Surfactant - Solubilizing Agent

Technical Names:

Polyethylene Glycol (54) Hydrogenated Castor Oil
Polyoxyethylene (54) Hydrogenated Castor Oil

Trade Name:

Arlatone 289 (ICI Surfactants)

PEG-55 HYDROGENATED CASTOR OIL

CAS Number: 61788-85-0 (generic)

Definition: PEG-55 Hydrogenated Castor Oil is a polyethylene glycol derivative of Hydrogenated Castor Oil (q.v.) with an average of 55 moles of ethylene oxide.

Information Sources: 21CFR177.2800

Chemical Classes: Alkoxylated Alcohols; Glyceryl Esters and Derivatives

Functions: Surfactant - Cleansing Agent; Surfactant - Solubilizing Agent

Technical Names:

Polyethylene Glycol (55) Hydrogenated Castor Oil
Polyoxyethylene (55) Hydrogenated Castor Oil

PEG-60 HYDROGENATED CASTOR OIL

CAS Number: 61788-85-0 (generic)

Definition: PEG-60 Hydrogenated Castor Oil is a polyethylene glycol derivative of Hydrogenated Castor Oil (q.v.) with an average of 60 moles of ethylene oxide.

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

frequently classified, on the basis of their ionic characteristics, as amphoteric, anionic, cationic, or nonionic. In cosmetics, surfactants perform a variety of important functions and are subdivided here into six major groups:

Surfactants - Cleansing Agents

Surfactants - Emulsifying Agents

Surfactants - Foam Boosters

Surfactants - Hydrotropes

Surfactants - Solubilizing Agents

Surfactants - Suspending Agents

In addition, some surfactants function as *Hair Conditioning Agents*, and some are included in the listing of *Skin-Conditioning Agents - Miscellaneous*. In order to avoid unnecessary repetition, no comprehensive listing of surfactants is provided. Instead, surfactants are listed on the basis of their common usage in the above functional classifications. It should be understood that individual surfactants may be used for other functions in addition to this classification.

Surfactants - Cleansing Agents

Surfactants - Cleansing Agents, are used for skin and hair-cleaning purposes and as emulsifiers in cosmetics. In this function, surfactants wet body surfaces, emulsify or solubilize oils, and suspend soil. It is characteristic (and expected by some consumers) that such agents should contribute foaming and lathering properties to cleansing products and bubble baths. The listing includes not only soaps but also fatty acids which yield soaps upon reaction with an alkali.

Surfactants - Cleansing Agents are routinely used as emulsifiers.

Almondamidopropylamine Oxide
Almondamidopropyl Betaine
Aminopropyl Laurylglutamine
Ammonium C12-15 Alkyl Sulfate
Ammonium Caprylth Sulfate
Ammonium Cocomonoglyceride Sulfate
Ammonium Coco-Sulfate
Ammonium Cocoyl Isethionate
Ammonium Cocoyl Sarcosinate
Ammonium C12-15 Pareth Sulfate
Ammonium C9-10 Perfluoroalkylsulfonate
Ammonium Dimethicone Copolyol Sulfate
Ammonium Dodecylbenzenesulfonate
Ammonium Isosteareate
Ammonium Laureth-6 Carboxylate
Ammonium Laureth-8 Carboxylate
Ammonium Laureth Sulfate
Ammonium Laureth-5 Sulfate
Ammonium Laureth-7 Sulfate
Ammonium Laureth-9 Sulfate
Ammonium Laureth-12 Sulfate
Ammonium Lauroyl Sarcosinate
Ammonium Lauryl Sulfate
Ammonium Lauryl Sulfosuccinate
Ammonium Myreth Sulfate
Ammonium Myristyl Sulfate
Ammonium Nonoxynol-4 Sulfate
Ammonium Nonoxynol-30 Sulfate
Ammonium Oleate
Ammonium Palm Kernel Sulfate

Ammonium Stearate
Ammonium Tallate
AMP-Isostearoyl Hydrolyzed Collagen
AMP-Isostearoyl Hydrolyzed Soy Protein
AMP-Isostearoyl Hydrolyzed Wheat Protein
AMPD-Isostearoyl Hydrolyzed Collagen
AMPD-Rosin Hydrolyzed Collagen
Apricotamidopropyl Betaine
Arachidic Acid
Avocadamidopropyl Betaine
Babassuamidopropylamine Oxide
Babassuamidopropyl Betaine
Beeswax Acid
Behenamidopropyl Betaine
Behenamine Oxide
Beheneth-25
Beheneth-30
Behenic Acid
Behenyl Betaine
Butoxynol-5 Carboxylic Acid
Butoxynol-19 Carboxylic Acid
Butyl Glucoside
Butylglucoside Caprate
Butyloctanoic Acid
C18-36 Acid
C9-16 Alkanes/Cycloalkanes
C10-14 Alkyl Benzenesulfonic Acid
C9-15 Alkyl Phosphate
Canolamidopropyl Betaine
Capric Acid

Caproic Acid
Caproyl Ethyl Glucoside
Capryl/Capramidopropyl Betaine
Capryl-4 Carboxylic Acid
Capryl-6 Carboxylic Acid
Capryl-9 Carboxylic Acid
Caprylic Acid
Capryloyl Collagen Amino Acids
Capryloyl Glycine
Capryloyl Hydrolyzed Collagen
Capryloyl Hydrolyzed Keratin
Capryloyl Keratin Amino Acids
Capryloyl Silk Amino Acids
Caprylyl/Capryl Glucoside
Caprylyl Pyrrolidone
Carnitine
Ceteareth-20
Ceteareth-23
Ceteareth-24
Ceteareth-25
Ceteareth-27
Ceteareth-28
Ceteareth-29
Ceteareth-30
Ceteareth-33
Ceteareth-34
Ceteareth-40
Ceteareth-50
Ceteareth-55
Ceteareth-60

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Surfactants - Cleansing Agents (Cont.)

Ceteareth-80	DEA-C12-13 Alkyl Sulfate	Disodium Coco-Glucoside Sulfosuccinate
Ceteareth-100	DEA-C12-15 Alkyl Sulfate	Disodium Cocoyl Butyl Gluceth-10 Sulfosuccinate
Ceteareth-25 Carboxylic Acid	DEA-Ceteareth-2 Phosphate	Disodium Cocoyl Glutamate
Ceteareth-2 Phosphate	DEA-Cetyl Sulfate	Disodium C12-15 Pareth Sulfosuccinate
Ceteareth-4 Phosphate	DEA-Cocoamphodipropionate	Disodium Deceth-5 Sulfosuccinate
Ceteareth-5 Phosphate	DEA-C12-13 Pareth-3 Sulfate	Disodium Deceth-6 Sulfosuccinate
Ceteareth-10 Phosphate	DEA-Cyclocarboxypropylolate	Disodium Decyl Phenyl Ether Disulfonate
Ceteth-20	DEA-Dodecylbenzenesulfonate	Disodium Dihydroxyethyl Sulfosuccinylundecylate
Ceteth-24	DEA-Isostearate	Disodium Dimethicone Copolyol Sulfosuccinate
Ceteth-25	DEA-Laureth Sulfate	Disodium Hydrogenated Cottonseed Glyceride Sulfosuccinate
Ceteth-30	DEA-Lauryl Sulfate	Disodium Hydrogenated Tallow Glutamate
Ceteth-45	DEA-Linoleate	Disodium Hydroxydecyl Sorbitol Citrate
Ceteth-8 Phosphate	DEA-Methyl Myristate Sulfonate	Disodium Isodecyl Sulfosuccinate
Ceteth-10 Phosphate	DEA-Myreth Sulfate	Disodium Isostearamido MEA-Sulfosuccinate
Cetoleth-22	DEA-Myristate	Disodium Isostearamido MIPA-Sulfosuccinate
Cetoleth-24	DEA-Myristyl Sulfate	Disodium Isostearoamphodiacetate
Cetoleth-25	DEA-Oleth-5 Phosphate	Disodium Isostearoamphodipropionate
Cetyl Betaine	DEA-Oleth-20 Phosphate	Disodium Isostearyl Sulfosuccinate
Cocamidoethyl Betaine	Deceth-7 Carboxylic Acid	Disodium Laneth-5 Sulfosuccinate
Cocamidopropyl Amine Oxide	Deceth-7 Glucoside	Disodium Lauramido MEA-Sulfosuccinate
Cocamidopropylamine Oxide	Decylamine Oxide	Disodium Lauramido PEG-2 Sulfosuccinate
Cocamidopropyl Betaine	Decyl Betaine	Disodium Lauramido PEG-5 Sulfosuccinate
Cocamidopropyl Hydroxysultaine	Decyl Glucoside	Disodium Laureth-5 Carboxyamphodiacetate
Cocamine Oxide	Decyltetradeceth-30	Disodium Laureth-7 Citrate
Cocaminobutyric Acid	Decyltetradecylamine Oxide	Disodium Laureth Sulfosuccinate
Cocaminopropionic Acid	Diammonium Lauramido-MEA Sulfosuccinate	Disodium Laureth-6 Sulfosuccinate
Coceth-7 Carboxylic Acid	Diammonium Lauryl Sulfosuccinate	Disodium Laureth-9 Sulfosuccinate
Coceth-4 Glucoside	Diammonium Oleamido PEG-2 Sulfosuccinate	Disodium Laureth-12 Sulfosuccinate
Cocoamphodipropionic Acid	Di-C12-15 Pareth-2 Phosphate	Disodium Laurimodipropionate
Cocobetainamido Amphopropionate	Di-C12-15 Pareth-4 Phosphate	Disodium Lauroamphodiacetate
Coco-Betaine	Di-C12-15 Pareth-6 Phosphate	Disodium Lauroamphodipropionate
Coco-Glucoside	Di-C12-15 Pareth-8 Phosphate	Disodium Lauryl Phenyl Ether Disulfonate
Coco-Hydroxysultaine	Di-C12-15 Pareth-10 Phosphate	Disodium Lauryl Sulfosuccinate
Coco-Morpholine Oxide	Diethylamine Laureth Sulfate	Disodium Myristamido MEA-Sulfosuccinate
Coconut Acid	Dihydroxyethyl C8-10 Alkoxypropylamine Oxide	Disodium Nonoxynol-10 Sulfosuccinate
Coco/Oleamidopropyl Betaine	Dihydroxyethyl C9-11 Alkoxypropylamine Oxide	Disodium Oleamido MEA-Sulfosuccinate
Coco-Sultaine	Dihydroxyethyl C12-15 Alkoxypropylamine Oxide	Disodium Oleamido MIPA-Sulfosuccinate
Cocoyl Glutamic Acid	Dihydroxyethyl Cocamine Oxide	Disodium Oleamido PEG-2 Sulfosuccinate
Cocoyl Hydrolyzed Collagen	Dihydroxyethyl Lauramine Oxide	Disodium Oleamidopropionate
Cocoyl Hydrolyzed Keratin	Dihydroxyethyl Stearamine Oxide	Disodium Oleth-3 Sulfosuccinate
Cocoyl Hydrolyzed Soy Protein	Dihydroxyethyl Tallowamine Oxide	Disodium Oleyl Phosphate
Cocoyl Sarcosine	Dimethicone Copolyol Phosphate	Disodium Oleyl Sulfosuccinate
Corn Acid	Dimethicone Propyl PG-Betaine	Disodium Palmitamido PEG-2 Sulfosuccinate
Cottonseed Acid	Dimyristyl Phosphate	Disodium Palmitoleamido PEG-2 Sulfosuccinate
C11-15 Pareth-30	Diocetyl Sodium Sulfosuccinate	Disodium PEG-4 Cocamido MIPA-Sulfosuccinate
C11-15 Pareth-40	Dioleoylamidoethyl Hydroxyethylmonium Methosulfate	Disodium PEG-8 Palm Glycerides Sulfosuccinate
C12-13 Pareth-23	DIPA-Hydrogenated Cocoate	Disodium PPG-2-Isodeceth-7 Carboxyamphodiacetate
C20-40 Pareth-40	DIPA-Lanolate	Disodium Ricinoleamido MEA-Sulfosuccinate
C22-24 Pareth-33	Disodium Caproamphodiacetate	Disodium Sitostereth-14 Sulfosuccinate
C30-50 Pareth-40	Disodium Caproamphodipropionate	Disodium Stearamido MEA-Sulfosuccinate
C9-11 Pareth-6 Carboxylic Acid	Disodium Capryloamphodiacetate	Disodium Steariminodipropionate
C11-15 Pareth-7 Carboxylic Acid	Disodium Capryloamphodipropionate	Disodium Stearoamphodiacetate
C12-13 Pareth-5 Carboxylic Acid	Disodium Cetearyl Sulfosuccinate	Disodium Stearyl Glutamate
C12-13 Pareth-8 Carboxylic Acid	Disodium Cetyl Phenyl Ether Disulfonate	Disodium Stearyl Sulfosuccinamate
C12-13 Pareth-12 Carboxylic Acid	Disodium Cocamido MEA-Sulfosuccinate	Disodium Stearyl Sulfosuccinate
C12-15 Pareth-7 Carboxylic Acid	Disodium Cocamido MIPA-Sulfosuccinate	Disodium 2-Sulfolaurate
C12-15 Pareth-8 Carboxylic Acid	Disodium Cocamido PEG-3 Sulfosuccinate	Disodium Tallamido MEA-Sulfosuccinate
C14-15 Pareth-8 Carboxylic Acid	Disodium	Disodium Tallamido MIPA-Sulfosuccinate
C12-13 Pareth-10 Phosphate	Cocoamphocarboxyethylhydroxypropylsulfonate	Disodium Tallowamphodiacetate
C12-15 Pareth-8 Phosphate	Disodium Cocoamphodiacetate	
C12-15 Pareth-10 Phosphate	Disodium Cocoamphodipropionate	
C12-16 Pareth-6 Phosphate		

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Disodium Tallowiminodipropionate	Laureth-40	Milkamidopropyl Betaine
Disodium Tallow Sulfosuccinate	Laureth-3 Carboxylic Acid	Minkamidopropylamine Oxide
Disodium Tridecylsulfosuccinate	Laureth-4 Carboxylic Acid	Minkamidopropyl Betaine
Disodium Undecylenamido MEA-Sulfosuccinate	Laureth-5 Carboxylic Acid	MIPA C12-15 Pareth Sulfate
Disodium Undecylenamido PEG-2 Sulfosuccinate	Laureth-6 Carboxylic Acid	MIPA-Dodecylbenzenesulfonate
Disodium Wheat Germamido MEA-Sulfosuccinate	Laureth-10 Carboxylic Acid	MIPA-Laureth Sulfate
Disodium Wheat Germamido PEG-2 Sulfosuccinate	Laureth-11 Carboxylic Acid	MIPA-Lauryl Sulfate
Disodium Wheatgermamphodiacetate	Laureth-12 Carboxylic Acid	Mixed Isopropanolamines Lanolate
Di-TEA-Oleamido PEG-2 Sulfosuccinate	Laureth-13 Carboxylic Acid	Mixed Isopropanolamines Lauryl Sulfate
Di-TEA-Palmitoyl Aspartate	Laureth-14 Carboxylic Acid	Mixed Isopropanolamines Myristate
Ditridecyl Sodium Sulfosuccinate	Laureth-17 Carboxylic Acid	Morpholine Oleate
Dodecylbenzene Sulfonic Acid	Laureth-6 Citrate	Morpholine Stearate
Erucamidopropyl Hydroxysultaine	Laureth-7 Citrate	Myreth-3 Carboxylic Acid
Ethyl PEG-15 Cocamine Sulfate	Laureth-3 Phosphate	Myreth-5 Carboxylic Acid
Hexyldecanoic Acid	Laureth-4 Phosphate	Myristalkonium Chloride
Hydrogenated Coconut Acid	Laureth-7 Phosphate	Myristamidopropylamine Oxide
Hydrogenated Laneth-25	Laureth-8 Phosphate	Myristamidopropyl Betaine
Hydrogenated Menhaden Acid	Laureth-7 Tartrate	Myristamidopropyl Dimethylamine Phosphate
Hydrogenated Palm Acid	Lauric Acid	Myristamine Oxide
Hydrogenated Palm Kernel Amine Oxide	Lauroamphodipropionic Acid	Myristaminopropionic Acid
Hydrogenated Tallow Acid	Lauroyl Collagen Amino Acids	Myristic Acid
Hydrogenated Tallowamine Oxide	Lauroyl Hydrolyzed Collagen	Myristoyl Glutamic Acid
Hydrogenated Tallow Betaine	Lauroyl Hydrolyzed Elastin	Myristoyl Hydrolyzed Collagen
Hydrogenated Talloweth-25	Lauroyl Methyl Glucamide	Myristoyl Sarcosine
Hydrogenated Tallowoyl Glutamic Acid	Lauroyl Sarcosine	Myristoyl Betaine
Hydroxyceteth-60	Lauroyl Silk Amino Acids	Myristyl/Cetyl Amine Oxide
Hydroxyethylbutylamine Laureth Sulfate	Lauryl Betaine	Nonoxynol-20
Hydroxyethyl Carboxymethyl	Lauryl Glucoside	Nonoxynol-23
Cocamidopropylamine	Lauryl Hydroxysultaine	Nonoxynol-25
Hydroxyethyl Hydroxypropyl C12-15	Lauryl Pyrrolidone	Nonoxynol-30
Alkoxypropylamine Oxide	Lauryl Sultaine	Nonoxynol-35
Hydroxystearic Acid	Linoleic Acid	Nonoxynol-40
Isoceteth-30	Linolenic Acid	Nonoxynol-44
Isopropanolamine Lanolate	Linseed Acid	Nonoxynol-50
Isopropylamine Dodecylbenzenesulfonate	Lysine Cocoate	Nonoxynol-100
Isostearamidopropylamine Oxide	Magnesium Coco-Sulfate	Nonoxynol-120
Isostearamidopropyl Betaine	Magnesium Laureth-11 Carboxylate	Nonoxynol-5 Carboxylic Acid
Isostearamidopropyl Morpholine Oxide	Magnesium Laureth Sulfate	Nonoxynol-8 Carboxylic Acid
Isosteareth-22	Magnesium Laureth-5 Sulfate	Nonoxynol-10 Carboxylic Acid
Isosteareth-50	Magnesium Laureth-8 Sulfate	Nonoxynol-6 Phosphate
Isostearic Acid	Magnesium Laureth-16 Sulfate	Nonoxynol-9 Phosphate
Isostearoyl Hydrolyzed Collagen	Magnesium Lauryl Hydroxypropyl Sulfonate	Nonoxynol-10 Phosphate
Jojoba Wax PEG-80 Esters	Magnesium Lauryl Sulfate	Nonyl Nonoxynol-49
Jojoba Wax PEG-120 Esters	Magnesium Methyl Cocoyl Taurate	Nonyl Nonoxynol-100
Laneth-20	Magnesium Myreth Sulfate	Nonyl Nonoxynol-150
Laneth-25	Magnesium Oleth Sulfate	Nonyl Nonoxynol-7 Phosphate
Laneth-40	Magnesium/TEA-Coco-Sulfate	Nonyl Nonoxynol-9 Phosphate
Laneth-50	MEA-Laureth-6 Carboxylate	Nonyl Nonoxynol-10 Phosphate
Laneth-60	MEA-Laureth Sulfate	Nonyl Nonoxynol-15 Phosphate
Laneth-75	MEA-Lauryl Sulfate	Nonyl Nonoxynol-24 Phosphate
Lanolin Acid	MEA-PPG-6-Laureth-6-Carboxylate	Octeth-3 Carboxylic Acid
Lauramidopropylamine Oxide	MEA-PPG-8-Steareth-7 Carboxylate	Octoxynol-16
Lauramidopropyl Betaine	MEA-Undecylenate	Octoxynol-25
Lauramine Oxide	Meroxapol 108	Octoxynol-30
Lauraminopropionic Acid	Meroxapol 174	Octoxynol-33
Laureth-16	Meroxapol 178	Octoxynol-40
Laureth-20	Meroxapol 254	Octoxynol-70
Laureth-23	Meroxapol 255	Octoxynol-20 Carboxylic Acid
Laureth-25	Meroxapol 258	Octyldodeceth-20
Laureth-30	Meroxapol 314	Octyldodeceth-25
	Methyl Morpholine Oxide	Octyldodeceth-30
	Milkamidopropyl Amine Oxide	Oleamidopropylamine Oxide

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Surfactants - Cleansing Agents (Cont.)

Oleamidopropyl Betaine	PEG-23 Glyceryl Laurate	PEG-75 Propylene Glycol Stearate
Oleamidopropyl Hydroxysultaine	PEG-30 Glyceryl Laurate	PEG-120 Propylene Glycol Stearate
Oleamine Oxide	PEG-25 Glyceryl Oleate	PEG-40 Ricinoleamide
Oleic Acid	PEG-30 Glyceryl Oleate	PEG-75 Shea Butter Glycerides
Oleoyl Hydrolyzed Collagen	PEG-25 Glyceryl Stearate	PEG-75 Shorea Butter Glycerides
Oleoyl Sarcosine	PEG-30 Glyceryl Stearate	PEG-20 Sorbitan Cocoate
Oleth-20	PEG-120 Glyceryl Stearate	PEG-20 Sorbitan Isostearate
Oleth-23	PEG-200 Glyceryl Stearate	PEG-40 Sorbitan Lanolate
Oleth-25	PEG-28 Glyceryl Tallowate	PEG-75 Sorbitan Lanolate
Oleth-30	PEG-80 Glyceryl Tallowate	PEG-10 Sorbitan Laurate
Oleth-40	PEG-200 Glyceryl Tallowate	PEG-40 Sorbitan Laurate
Oleth-44	<u>PEG-45 Hydrogenated Castor Oil</u>	PEG-44 Sorbitan Laurate
Oleth-50	PEG-50 Hydrogenated Castor Oil	PEG-75 Sorbitan Laurate
Oleth-3 Carboxylic Acid	PEG-54 Hydrogenated Castor Oil	PEG-80 Sorbitan Laurate
Oleth-6 Carboxylic Acid	PEG-55 Hydrogenated Castor Oil	PEG-80 Sorbitan Palmitate
Oleth-10 Carboxylic Acid	PEG-60 Hydrogenated Castor Oil	PEG-40 Sorbitan Stearate
Oleyl Betaine	PEG-80 Hydrogenated Castor Oil	PEG-60 Sorbitan Stearate
Olivamidopropylamine Oxide	PEG-100 Hydrogenated Castor Oil	PEG-160 Sorbitan Triisostearate
Olivamidopropyl Betaine	PEG-200 Hydrogenated Castor Oil	PEG-40 Soy Sterol
Olive Acid	PEG-30 Hydrogenated Lanolin	PEG-2 Stearamide Carboxylic Acid
Palm Acid	PEG-70 Hydrogenated Lanolin	PEG-9 Stearamide Carboxylic Acid
Palmanimidopropyl Betaine	PEG-4 Isostearate	PEG-20 Stearate
Palmitamidopropylamine Oxide	PEG-6 Isostearate	PEG-23 Stearate
Palmitamidopropyl Betaine	PEG-8 Isostearate	PEG-25 Stearate
Palmitamine Oxide	PEG-10 Isostearate	PEG-30 Stearate
Palmitic Acid	PEG-12 Isostearate	PEG-32 Stearate
Palmitoyl Collagen Amino Acids	PEG-26 Jojoba Acid	PEG-35 Stearate
Palmitoyl Glycine	PEG-40 Jojoba Acid	PEG-36 Stearate
Palmitoyl Hydrolyzed Collagen	PEG-15 Jojoba Alcohol	PEG-40 Stearate
Palmitoyl Hydrolyzed Milk Protein	PEG-26 Jojoba Alcohol	PEG-45 Stearate
Palmitoyl Hydrolyzed Wheat Protein	PEG-40 Jojoba Alcohol	PEG-50 Stearate
Palmitoyl Keratin Amino Acids	PEG-35 Lanolin	PEG-75 Stearate
Palmitoyl Oligopeptide	PEG-40 Lanolin	PEG-90 Stearate
Palmitoyl Silk Amino Acids	PEG-50 Lanolin	PEG-100 Stearate
Palm Kernel Acid	PEG-55 Lanolin	PEG-120 Stearate
Palm Kernelamidopropyl Betaine	PEG-60 Lanolin	PEG-150 Stearate
Peanut Acid	PEG-75 Lanolin	PEG-45 Stearate Phosphate
<u>PEG-10 Castor Oil</u>	PEG-85 Lanolin	PEG-20 Tallowate
<u>PEG-40 Castor Oil</u>	PEG-100 Lanolin	PEG-50 Tallow Amide
PEG-44 Castor Oil	PEG-150 Lanolin	PEG-20 Tallowate
PEG-50 Castor Oil	PEG-75 Lanolin Oil	PEG-66 Trihydroxystearin
PEG-54 Castor Oil	PEG-3 Lauramine Oxide	PEG-200 Trihydroxystearin
PEG-55 Castor Oil	PEG-20 Laurate	Pelargonic Acid
PEG-60 Castor Oil	PEG-32 Laurate	Pentadoxynol-200
PEG-100 Castor Oil	PEG-75 Laurate	Poloxamer 105
PEG-200 Castor Oil	PEG-150 Laurate	Poloxamer 108
PEG-11 Cocamide	PEG-70 Mango Glycerides	Poloxamer 182
PEG-75 Dilaurate	PEG-20 Mannitan Laurate	Poloxamer 183
PEG-150 Dilaurate	PEG-120 Methyl Glucose Dioleate	Poloxamer 184
PEG-75 Dioleate	PEG-80 Methyl Glucose Laurate	Poloxamer 188
PEG-150 Dioleate	PEG-4 Montanate	Poloxamer 217
PEG-75 Distearate	PEG-30 Oleamine	Poloxamer 234
PEG-120 Distearate	PEG-20 Oleate	Poloxamer 235
PEG-150 Distearate	PEG-23 Oleate	Poloxamer 237
PEG-175 Distearate	PEG-32 Oleate	Poloxamer 238
PEG-250 Distearate	PEG-36 Oleate	Poloxamer 288
PEG-30 Glyceryl Cocoate	PEG-75 Oleate	Poloxamer 334
PEG-40 Glyceryl Cocoate	PEG-150 Oleate	Poloxamer 335
PEG-78 Glyceryl Cocoate	PEG-20 Palmitate	Poloxamer 338
PEG-80 Glyceryl Cocoate	PEG/PPG-300/55 Copolymer	Poloxamine 908
PEG-30 Glyceryl Isostearate	PEG-55 Propylene Glycol Oleate	Poloxamine 1508
PEG-60 Glyceryl Isostearate	PEG-25 Propylene Glycol Stearate	Potassium Abietoyl Hydrolyzed Collagen

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Potassium Babassuate	Rice Bran Acid	Sodium C16-18 Olefin Sulfonate
Potassium C9-15 Alkyl Phosphate	Ricinoleamidopropyl Betaine	Sodium Cornamphopropionate
Potassium Castorate	Ricinoleic Acid	Sodium C13-15 Pareth-8 Butyl Phosphate
Potassium Cocoate	Ricinoleth-40	Sodium C9-11 Pareth-6 Carboxylate
Potassium Cocoyl Glutamate	Saponins	Sodium C11-15 Pareth-7 Carboxylate
Potassium Cocoyl Glycinate	Sesamidopropylamine Oxide	Sodium C12-13 Pareth-5 Carboxylate
Potassium Cocoyl Hydrolyzed Casein	Sesamidopropyl Betaine	Sodium C12-13 Pareth-8 Carboxylate
Potassium Cocoyl Hydrolyzed Collagen	Sodium Babassuate	Sodium C12-13 Pareth-12 Carboxylate
Potassium Cocoyl Hydrolyzed Corn Protein	Sodium Bisglycol Ricinosulfosuccinate	Sodium C12-15 Pareth-6 Carboxylate
Potassium Cocoyl Hydrolyzed Keratin	Sodium Borageamidopropyl PG-Dimonium Chloride Phosphate	Sodium C12-15 Pareth-7 Carboxylate
Potassium Cocoyl Hydrolyzed Potato Protein	Sodium Butoxynol-12 Sulfate	Sodium C12-15 Pareth-8 Carboxylate
Potassium Cocoyl Hydrolyzed Rice Bran Protein	Sodium C13-17 Alkane Sulfonate	Sodium C14-15 Pareth-8 Carboxylate
Potassium Cocoyl Hydrolyzed Rice Protein	Sodium C14-18 Alkane Sulfonate	Sodium C14-15 Pareth-PG Sulfonate
Potassium Cocoyl Hydrolyzed Silk	Sodium C12-15 Alkoxypropyl Iminodipropionate	Sodium C13-15 Pareth-8 Phosphate
Potassium Cocoyl Hydrolyzed Soy Protein	Sodium C9-22 Alkyl Sec Sulfonate	Sodium C10-15 Pareth Sulfate
Potassium Cocoyl Hydrolyzed Wheat Protein	Sodium C14-17 Alkyl Sec Sulfonate	Sodium C12-13 Pareth Sulfate
Potassium Cornate	Sodium C12-13 Alkyl Sulfate	Sodium C12-15 Pareth Sulfate
Potassium Cyclocarboxypropylololeate	Sodium C12-15 Alkyl Sulfate	Sodium C12-15 Pareth-3 Sulfonate
Potassium Dihydroxyethyl Cocamine Oxide Phosphate	Sodium C16-20 Alkyl Sulfate	Sodium C12-15 Pareth-7 Sulfonate
Potassium Dimethicone Copolyol Phosphate	Sodium Caproamphoacetate	Sodium Deceth-2 Carboxylate
Potassium Dodecylbenzenesulfonate	Sodium Caproamphohydroxypropylsulfonate	Sodium Deceth Sulfate
Potassium Laurate	Sodium Caproamphopropionate	Sodium Decylbenzenesulfonate
Potassium Lauroyl Collagen Amino Acids	Sodium Caprylate	Sodium Dihydroxyethyl Phosphate
Potassium Lauroyl Glutamate	Sodium Caprylth-2 Carboxylate	Sodium Dilaureth-7 Citrate
Potassium Lauroyl Hydrolyzed Collagen	Sodium Caprylth-9 Carboxylate	Sodium Dioleth-8 Phosphate
Potassium Lauroyl Hydrolyzed Soy Protein	Sodium Capryloamphoacetate	Sodium Dodecylbenzenesulfonate
Potassium Lauroyl Wheat Amino Acids	Sodium Capryloamphohydroxypropylsulfonate	Sodium Ethyl 2-Sulfolaurate
Potassium Lauryl Sulfate	Sodium Capryloamphopropionate	Sodium Glyceryl Oleate Phosphate
Potassium Linoleate	Sodium Caprylyl Sulfonate	Sodium Hexeth-4 Carboxylate
Potassium Methyl Cocoyl Taurate	Sodium Castorate	Sodium Hydrogenated Tallowoyl Glutamate
Potassium Myristate	Sodium Cetearyl Sulfate	Sodium Isostearate
Potassium Myristoyl Glutamate	Sodium Ceteth-13 Carboxylate	Sodium Isosteareth-6 Carboxylate
Potassium Myristoyl Hydrolyzed Collagen	Sodium Cetyl Sulfate	Sodium Isosteareth-11 Carboxylate
Potassium Octoxynol-12 Phosphate	Sodium Cocamino propionate	Sodium Isostearoamphoacetate
Potassium Oleate	Sodium Coceth Sulfate	Sodium Isostearoamphopropionate
Potassium Oleoyl Hydrolyzed Collagen	Sodium Cocoamphoacetate	Sodium Laneth Sulfate
Potassium Olivate	Sodium Cocoamphohydroxypropylsulfonate	Sodium Lauramido Diacetate
Potassium Palmitate	Sodium Cocoamphopropionate	Sodium Lauraminopropionate
Potassium Palmitate	Sodium Cocoate	Sodium Laurate
Potassium Palmitoyl Hydrolyzed Wheat Protein	Sodium Coco-Glucoside Tartrate	Sodium Laureth-3 Carboxylate
Potassium Palm Kernelate	Sodium Cocoglyceryl Ether Sulfonate	Sodium Laureth-4 Carboxylate
Potassium Peanutate	Sodium Coco/Hydrogenated Tallow Sulfate	Sodium Laureth-5 Carboxylate
Potassium Rapeseedate	Sodium Cocomonoglyceride Sulfate	Sodium Laureth-6 Carboxylate
Potassium Ricinoleate	Sodium Cocomonoglyceride Sulfonate	Sodium Laureth-11 Carboxylate
Potassium Soyate	Sodium Coco PG-Dimonium Chloride Phosphate	Sodium Laureth-13 Carboxylate
Potassium Stearate	Sodium Coco-Sulfate	Sodium Laureth-14 Carboxylate
Potassium Stearyl Hydrolyzed Collagen	Sodium Cocoyl Amino Acids	Sodium Laureth-17 Carboxylate
Potassium Tallate	Sodium Cocoyl Collagen Amino Acids	Sodium Laureth Sulfate
Potassium Tallowate	Sodium Cocoyl Glutamate	Sodium Laureth-5 Sulfate
Potassium Undecylenate	Sodium Cocoyl Hydrolyzed Collagen	Sodium Laureth-7 Sulfate
Potassium Undecylenoyl Hydrolyzed Collagen	Sodium Cocoyl Hydrolyzed Keratin	Sodium Laureth-8 Sulfate
PPG-30-Buteth-30	Sodium Cocoyl Hydrolyzed Rice Protein	Sodium Laureth-12 Sulfate
PPG-36-Buteth-36	Sodium Cocoyl Hydrolyzed Soy Protein	Sodium Laureth-7 Tartrate
PPG-38-Buteth-37	Sodium Cocoyl Hydrolyzed Wheat Protein	Sodium Laurimino dipropionate
PPG-10 Cetyl Ether Phosphate	Sodium Cocoyl Isethionate	Sodium Lauroamphoacetate
PPG-3-Deceth-2 Carboxylic Acid	Sodium Cocoyl Sarcosinate	Sodium Lauroamphohydroxypropylsulfonate
PPG-20-Glycereth-30	Sodium Cocoyl Taurate	Sodium Lauroampho PG-Acetate Phosphate
Propyltrimonium Hydrolyzed Collagen	Sodium C12-14 Olefin Sulfonate	Sodium Lauroamphopropionate
Quaternium-24	Sodium C14-16 Olefin Sulfonate	Sodium Lauroyl Aspartate
Quaternium-52	Sodium C14-18 Olefin Sulfonate	Sodium Lauroyl Collagen Amino Acids
Rapeseed Acid		Sodium Lauroyl Hydrolyzed Collagen

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Surfactants - Cleansing Agents (Cont.)

Sodium Lauroyl Hydrolyzed Silk	Sodium Ricinoleamphoacetate	Steareth-40
Sodium Lauroyl Isethionate	Sodium Soyate	Steareth-50
Sodium Lauroyl Methylaminopropionate	Sodium Soy Hydrolyzed Collagen	Steareth-80
Sodium Lauroyl Oat Amino Acids	Sodium Stearate	Steareth-100
Sodium Lauroyl Sarcosinate	Sodium Stearoamphoacetate	Steareth-2 Phosphate
Sodium Lauroyl Silk Amino Acids	Sodium Stearoamphohydroxypropylsulfonate	Stearic Acid
Sodium Lauroyl Taurate	Sodium Stearoamphopropionate	Stearoyl Glutamic Acid
Sodium Lauroyl Wheat Amino Acids	Sodium Stearoyl Casein	Stearoyl Sarcosine
Sodium Lauryl Phosphate	Sodium Stearoyl Glutamate	Stearyl Betaine
Sodium Lauryl Sulfate	Sodium Stearoyl Hyaluronate	Sulfated Castor Oil
Sodium Lauryl Sulfoacetate	Sodium Stearoyl Hydrolyzed Collagen	Sulfated Glyceryl Oleate
Sodium Linoleate	Sodium Stearoyl Hydrolyzed Corn Protein	Sulfated Olive Oil
Sodium/MEA Laureth-2 Sulfosuccinate	Sodium Stearoyl Hydrolyzed Silk	Sulfated Peanut Oil
Sodium Methyl Cocoyl Taurate	Sodium Stearoyl Hydrolyzed Soy Protein	Sunflower Seed Acid
Sodium Methyl Lauroyl Taurate	Sodium Stearoyl Hydrolyzed Wheat Protein	Tall Oil Acid
Sodium Methyl Myristoyl Taurate	Sodium Stearoyl Lactalbumin	Tallow Acid
Sodium Methyl Oleoyl Taurate	Sodium Stearoyl Oat Protein	Tallowamidopropylamine Oxide
Sodium Methyl Palmitoyl Taurate	Sodium Stearoyl Pea Protein	Tallowamidopropyl Betaine
Sodium Methyl Stearoyl Taurate	Sodium Stearoyl Soy Protein	Tallowamidopropyl Hydroxysultaine
Sodium Methyl 2-Sulfolaurate	Sodium Stearyl Sulfate	Tallowamine Oxide
Sodium Myreth Sulfate	Sodium Tallowamphopropionate	Tallow Betaine
Sodium Myristate	Sodium Tallowamphoacetate	Tallow Dihydroxyethyl Betaine
Sodium Myristoamphoacetate	Sodium Tallowate	Tallowoyl Ethyl Glucoside
Sodium Myristoyl Glutamate	Sodium Tallow Sulfate	TEA-Abietoyl Hydrolyzed Collagen
Sodium Myristoyl Hydrolyzed Collagen	Sodium/TEA-Lauroyl Collagen Amino Acids	TEA-C10-15 Alkyl Sulfate
Sodium Myristoyl Isethionate	Sodium/TEA-Lauroyl Hydrolyzed Collagen	TEA-C12-13 Alkyl Sulfate
Sodium Myristoyl Sarcosinate	Sodium/TEA-Lauroyl Hydrolyzed Keratin	TEA-C12-14 Alkyl Sulfate
Sodium Myristyl Sulfate	Sodium/TEA-Lauroyl Keratin Amino Acids	TEA-C12-15 Alkyl Sulfate
Sodium Nonoxynol-6 Phosphate	Sodium/TEA-Undecylenoyl Collagen Amino Acids	TEA-Canolate
Sodium Nonoxynol-9 Phosphate	Sodium/TEA-Undecylenoyl Hydrolyzed Collagen	TEA-Cocoate
Sodium Nonoxynol-1 Sulfate	Sodium/TEA-Undecylenoyl Hydrolyzed Corn Protein	TEA-Coco-Sulfate
Sodium Nonoxynol-3 Sulfate	Sodium/TEA-Undecylenoyl Hydrolyzed Soy Protein	TEA-Cocoyl Glutamate
Sodium Nonoxynol-4 Sulfate	Sodium/TEA-Undecylenoyl Hydrolyzed Wheat Protein	TEA-Cocoyl Hydrolyzed Collagen
Sodium Nonoxynol-6 Sulfate	Sodium Trideceth-3 Carboxylate	TEA-Cocoyl Hydrolyzed Soy Protein
Sodium Nonoxynol-8 Sulfate	Sodium Trideceth-6 Carboxylate	TEA-Cocoyl Sarcosinate
Sodium Nonoxynol-10 Sulfate	Sodium Trideceth-7 Carboxylate	TEA-Dodecylbenzenesulfonate
Sodium Nonoxynol-25 Sulfate	Sodium Trideceth-8 Carboxylate	TEA-Hydrogenated Tallowoyl Glutamate
Sodium Octoxynol-2 Ethane Sulfonate	Sodium Trideceth-12 Carboxylate	TEA-Isostearate
Sodium Octoxynol-2 Sulfate	Sodium Trideceth Sulfate	TEA-Isostearoyl Hydrolyzed Collagen
Sodium Octoxynol-6 Sulfate	Sodium Tridecylbenzenesulfonate	TEA-Lauraminopropionate
Sodium Octoxynol-9 Sulfate	Sodium Tridecyl Sulfate	TEA-Laurate
Sodium Oleate	Sodium Undeceth-5 Carboxylate	TEA-Laureth Sulfate
Sodium Oleoamphoacetate	Sodium Undecylenate	TEA-Lauroyl Collagen Amino Acids
Sodium Oleoamphohydroxypropylsulfonate	Sodium Undecylenoamphoacetate	TEA-Lauroyl Glutamate
Sodium Oleamphopropionate	Sodium Undecylenoamphopropionate	TEA-Lauroyl Hydrolyzed Collagen
Sodium Oleoyl Hydrolyzed Collagen	Sodium Wheat Germamphoacetate	TEA-Lauroyl Keratin Amino Acids
Sodium Oleoyl Isethionate	Soy Acid	TEA-Lauroyl Methylaminopropionate
Sodium Oleth Sulfate	Soyamidopropylamine Oxide	TEA-Lauroyl Sarcosinate
Sodium Oleyl Sulfate	Soyamidopropyl Betaine	TEA-Lauryl Sulfate
Sodium Olivate	Stearamidopropylamine Oxide	TEA-Myristaminopropionate
Sodium Palmitate	Stearamidopropyl Betaine	TEA-Myristate
Sodium Palmitoyl Hydrolyzed Collagen	Stearamine Oxide	TEA-Myristoyl Hydrolyzed Collagen
Sodium Palmitoyl Hydrolyzed Wheat Protein	Steareth-15	TEA-Oleate
Sodium Palm Kernelate	Steareth-16	TEA-Oleoyl Hydrolyzed Collagen
Sodium Peanutate	Steareth-20	TEA-Oleoyl Sarcosinate
Sodium PEG-6 Cocamide Carboxylate	Steareth-21	TEA-Oleyl Sulfate
Sodium PEG-8 Cocamide Carboxylate	Steareth-25	TEA-Palmitate
Sodium PEG-3 Lauramide Carboxylate	Steareth-27	TEA-Palm Kernel Sarcosinate
Sodium PEG-4 Lauramide Carboxylate	Steareth-30	TEA-PEG-3 Cocamide Sulfate
Sodium Rapeseedate		TEA-Rosinate
Sodium Ricinoleate		TEA-Stearate
		TEA-Tallate

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Surfactants - Cleansing Agents (Cont.)

TEA-Tridecylbenzenesulfonate
TEA-Undecylenate
TEA-Undecylenoyl Hydrolyzed Collagen
Tetramethyl Decylenediol
Tetrasodium Dicarboxyethyl Stearyl
Sulfosuccinamate
TIPA-Laureth Sulfate
TIPA-Lauryl Sulfate
TIPA-Stearate
Trideceth-20
Trideceth-50

Trideceth-3 Carboxylic Acid
Trideceth-4 Carboxylic Acid
Trideceth-7 Carboxylic Acid
Trideceth-15 Carboxylic Acid
Trideceth-19 Carboxylic Acid
Trideceth-10 Phosphate
Tridecylbenzenesulfonic Acid
Trisodium Lauroampho PG-Acetate Chloride
Phosphate
Undecanoic Acid
Undeceth-5 Carboxylic Acid

Undecylenamidopropylamine Oxide
Undecylenamidopropyl Betaine
Undecylenic Acid
Undecylenoyl Collagen Amino Acids
Undecylenoyl Hydrolyzed Collagen
Undecylenoyl Wheat Amino Acids
Undecyl Glucoside
Wheat Germ Acid
Wheat Germamidopropylamine Oxide
Wheat Germamidopropyl Betaine

Surfactants - Emulsifying Agents

Surfactants - Emulsifying Agents, are employed in cosmetics to prepare emulsions. The efficacy of emulsifying agents depends on their ability to reduce surface tension, to form complex films on the surface of emulsified droplets, and to create a repulsive barrier on emulsified droplets to prevent their coalescence. *Emulsion Stabilizers and Viscosity-Increasing Agents* can be used as auxiliary emulsifiers to facilitate the process of emulsification or to retard physical changes in emulsions throughout their shelf-life. Ingredients listed as *Surfactants - Cleansing Agents* also function as emulsifying agents, but are not included in the following listing.

The following listing generally includes *Surfactants - Cleansing Agents*. Surfactant-type cleansers are widely used as emulsifiers; they are excluded here only to reduce unnecessary duplication.

Abletic Acid
Almond Oil PEG-6 Esters
Ammonium Coco-Sulfate
Apricot Kernel Oil PEG-6 Esters
Arachideth-20
Avocado Oil PEG-11 Esters
Beeswax
Beeswax Acid
Beheneth-5
Beheneth-10
Beheneth-20
Butylglucoside Caprate
Butyloctanoic Acid
C18-36 Acid Glycol Ester
C12-20 Acid PEG-8 Ester
Calcium Stearoyl Lactylate
C9-16 Alkanes/Cycloalkanes
C9-15 Alkyl Phosphate
Canola Oil Glyceride
Caprylith-4
Caprylic/Capric Triglyceride PEG-4 Esters
Ceteareth-2
Ceteareth-3
Ceteareth-4
Ceteareth-5
Ceteareth-6
Ceteareth-7
Ceteareth-8
Ceteareth-9
Ceteareth-10
Ceteareth-11
Ceteareth-12

Ceteareth-13
Ceteareth-14
Ceteareth-15
Ceteareth-16
Ceteareth-17
Ceteareth-18
Ceteareth-22
Ceteareth-60 Myristyl Glycol
Cetearyl Glucoside
Ceteth-1
Ceteth-2
Ceteth-3
Ceteth-4
Ceteth-5
Ceteth-6
Ceteth-10
Ceteth-12
Ceteth-14
Ceteth-15
Ceteth-16
Cetethyl Morpholinium Ethosulfate
Cetoleth-6
Cetoleth-10
Cetoleth-11
Cetoleth-15
Cetoleth-20
Cetrimonium Bromide
Cetrimonium Chloride
Cetrimonium Methosulfate
Cetrimonium Tosylate
Cetyl Alcohol
Cetyl Dimethicone Copolyol

Cetyl Glyceryl Ether/Glycerin Copolymer
Cetyl Phosphate
Choleth-10
Choleth-15
Choleth-20
Choleth-24
Coceth-3
Coceth-5
Coceth-6
Coceth-7
Coceth-8
Coceth-10
Cocoyl Ethyl Glucoside
Corn Glycerides
Corn Oil PEG-6 Esters
Corn Oil PEG-8 Ester
Cottonseed Glyceride
C9-11 Pareth-3
C9-11 Pareth-6
C9-11 Pareth-8
C11-15 Pareth-3
C11-15 Pareth-5
C11-15 Pareth-7
C11-15 Pareth-9
C11-15 Pareth-12
C11-15 Pareth-15
C11-15 Pareth-20
C11-21-Pareth-3
C11-21-Pareth-10
C12-13 Pareth-2
C12-13 Pareth-3
C12-13 Pareth-4

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Surfactants - Emulsifying Agents (Cont.)

C12-13 Pareth-5	Di-C12-15 Pareth-6 Phosphate	Glyceryl Isostearates
C12-13 Pareth-7	Di-C12-15 Pareth-8 Phosphate	Glyceryl Isotridecanoate/Stearate/Adipate
C12-13 Pareth-9	Diethylaminoethyl Cocoate	Glyceryl Lanolate
C12-13 Pareth-10	Diethylaminoethyl PEG-5 Cocoate	Glyceryl Laurate
C12-13 Pareth-15	Diethylaminoethyl PEG-5 Laurate	Glyceryl Laurate SE
C12-14 Pareth-3	Diethylaminoethyl Stearate	Glyceryl Laurate/Oleate
C12-14 Pareth-7	Dihydrocholeth-15	Glyceryl Linoleate
C12-14 Pareth-12	Dihydrocholeth-20	Glyceryl Linolenate
C12-15 Pareth-2	Dihydrocholeth-30	Glyceryl Montanate
C12-15 Pareth-3	Dihydrogenated Tallow Phthalic Acid Amide	Glyceryl Myristate
C12-15 Pareth-4	Dilaureth-7 Citrate	Glyceryl Oleate
C12-15 Pareth-5	Dilaureth-4 Phosphate	Glyceryl Oleate SE
C12-15 Pareth-7	Dilaureth-10 Phosphate	Glyceryl Oleate/Elaidate
C12-15 Pareth-9	Dimethicone Copolyol Acetate	Glyceryl Palmitate
C12-15 Pareth-10	Dimethicone Copolyol Adipate	Glyceryl Palmitate/Stearate
C12-15 Pareth-11	Dimethicone Copolyol Butyl Ether	Glyceryl Palmitoleate
C12-15 Pareth-12	Dimethicone Copolyol Ethyl Ether	Glyceryl Pentadecanoate
C14-15 Pareth-4	Dimethicone Copolyol Methyl Ether	Glyceryl Ricinoleate
C14-15 Pareth-7	Dimethicone Copolyol Phosphate	Glyceryl Ricinoleate SE
C14-15 Pareth-11	Dimethicone Copolyol Undecylenate	Glyceryl Rosinate
C14-15 Pareth-12	Dimethyl Octynediol	Glyceryl/Sorbitol Oleate/Hydroxystearate
C14-15 Pareth-13	Dimyristyl Phosphate	Glyceryl Stearate
C20-40 Pareth-3	Dinonoxytol-9 Citrate	Glyceryl Stearate SE
C20-40 Pareth-10	Dinonoxytol-4 Phosphate	Glyceryl Stearate/Maleate
C30-50 Pareth-3	Dioleoyl Edetolmonium Methosulfate	Glyceryl Tallowate
C30-50 Pareth-10	Dioleth-8 Phosphate	Glyceryl Undecylenate
C40-60 Pareth-3	Disodium Cetearyl Sulfosuccinate	Glycol Octanoate
C40-60 Pareth-10	Disodium Cetyl Phenyl Ether Disulfonate	Glycol Stearate SE
C12-13 Pareth-10 Phosphate	Disodium Coco-Glucoside Citrate	Hexyldeceth-2
C12-15 Pareth-2 Phosphate	Disodium Coco-Glucoside Sulfosuccinate	Hexyldeceth-20
C12-15 Pareth-8 Phosphate	Disodium Decyl Phenyl Ether Disulfonate	Hydrogenated Castor Oil PEG-8 Esters
C12-15 Pareth-10 Phosphate	Disodium Laureth-7 Citrate	Hydrogenated Cottonseed Glyceride
C12-16 Pareth-6 Phosphate	Disodium Lauryl Phenyl Ether Disulfonate	Hydrogenated Laneth-5
C11-15 Sec-Pareth-12	Disodium Lauryl Phosphate	Hydrogenated Laneth-20
DATEM	Disodium Oleyl Phosphate	Hydrogenated Lard Glyceride
DEA-Ceteareth-2 Phosphate	Disodium PEG-8 Glyceryl Caprylate/Caprate	Hydrogenated Lecithin
DEA-Cetyl Phosphate	Disodium PEG-5 Laurylcitrate Sulfosuccinate	Hydrogenated Palm Acid
DEA-C8-18 Perfluoroalkylethyl Phosphate	Disodium PEG-8 Ricinosuccinate	Hydrogenated Palm Glyceride
DEA-Oleth-3 Phosphate	Disodium Sitostereth-14 Sulfosuccinate	Hydrogenated Palm/Palm Kernel Oil PEG-6 Esters
DEA-Oleth-5 Phosphate	Dodecylhexadecyltrimonium Chloride	Hydrogenated Soy Glyceride
DEA-Oleth-10 Phosphate	Dodoxynol-5	Hydrogenated Talloweth-12
DEA-Oleth-20 Phosphate	Dodoxynol-6	Hydrogenated Talloweth-60 Myristyl Glycerol
DEA-Perfluoropolymethylisopropeth Phosphate	Dodoxynol-7	Hydrogenated Tallow Glyceride
Deceth-3	Dodoxynol-9	Hydrogenated Vegetable Glyceride
Deceth-4	Dodoxynol-12	Hydrogenated Vegetable Glycerides Citrate
Deceth-5	Dodoxynol-13	Hydrogenated Vegetable Glycerides Phosphate
Deceth-6	Glycereth-17 Cocoate	Hydrolyzed Beeswax
Deceth-8	Glycereth-6 Laurate	Hydroxycetyl Phosphate
Deceth-10	Glycereth-20 Stearate	Hydroxyethyl Glyceryl Oleate/Stearate
Deceth-4 Phosphate	Glycereth-17 Tallowate	Hydroxylated Lecithin
Deceth-6 Phosphate	Glyceryl Arachidate	Isoceteareth-8 Stearate
Dextrin Behenate	Glyceryl Behenate	Isoceteth-10
Dextrin Laurate	Glyceryl Caprate	Isoceteth-20
Dextrin Myristate	Glyceryl Caprylate	Isoceteth-10 Stearate
Dextrin Palmitate	Glyceryl Caprylate/Caprate	Isodeceth-4
Dextrin Stearate	Glyceryl Cocoate	Isodeceth-5
Diammonium Dimethicone Copolyol Sulfosuccinate	Glyceryl Hydrogenated Rosinate	Isodeceth-6
Diceteareth-10 Phosphate	Glyceryl Hydroxystearate	Isolaureth-3
Dicetyl Phosphate	Glyceryl Isopalmitate	Isolaureth-6
Di-C12-15 Pareth-2 Phosphate	Glyceryl Isostearate	Isolaureth-10
Di-C12-15 Pareth-4 Phosphate	Glyceryl Isostearate/Myristate	Isosteareth-2

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Isosteareth-3	Myristoyl Methylalanine	Oleth-20
Isosteareth-10	Noneth-8	Oleth-2 Phosphate
Isosteareth-12	Nonoxynol-1	Oleth-3 Phosphate
Isosteareth-20	Nonoxynol-2	Oleth-4 Phosphate
Isosteareth-6 Carboxylic Acid	Nonoxynol-3	Oleth-5 Phosphate
Isosteareth-11 Carboxylic Acid	Nonoxynol-4	Oleth-10 Phosphate
Isosteareth-2 Phosphate	Nonoxynol-5	Oleth-20 Phosphate
Isosteareth-10 Stearate	Nonoxynol-6	Oleyl Ethyl Phosphate
Laneth-5	Nonoxynol-7	Oleyl Phosphate
Laneth-10	Nonoxynol-8	Olive Oil PEG-6 Esters
Laneth-15	Nonoxynol-9	Olive Oil PEG-10 Esters
Laneth-16	Nonoxynol-10	Palm Acid
Laneth-4 Phosphate	Nonoxynol-11	Palm Glyceride
Lanolin	Nonoxynol-12	Palmitic Acid
Laureth-1	Nonoxynol-13	Palmitoyl Inulin
Laureth-2	Nonoxynol-14	Palm Kernel Acid
Laureth-3	Nonoxynol-15	Peanut Oil PEG-6 Esters
Laureth-4	Nonoxynol-18	PEG-6 Almond Glycerides
Laureth-5	Nonoxynol-20	PEG-20 Almond Glycerides
Laureth-6	Nonoxynol-6 Phosphate	PEG-35 Almond Glycerides
Laureth-7	Nonoxynol-9 Phosphate	PEG-60 Almond Glycerides
Laureth-8	Nonoxynol-10 Phosphate	PEG-11 Avocado Glycerides
Laureth-9	Nonyl Nonoxynol-5	PEG-14 Avocado Glycerides
Laureth-10	Nonyl Nonoxynol-10	PEG-11 Babassu Glycerides
Laureth-11	Nonyl Nonoxynol-7 Phosphate	PEG-42 Babassu Glycerides
Laureth-12	Nonyl Nonoxynol-9 Phosphate	PEG-6 Beeswax
Laureth-13	Nonyl Nonoxynol-10 Phosphate	PEG-8 Beeswax
Laureth-14	Octoxyglyceryl Behenate	PEG-12 Beeswax
Laureth-15	Octoxyglyceryl Palmitate	PEG-20 Beeswax
Laureth-16	Octoxynol-1	PEG-8 Behenate
Laureth-3 Carboxylic Acid	Octoxynol-3	PEG-75 Beta-Sitosterol
Lauroyl Ethyl Glucoside	Octoxynol-5	PEG-8 Caprate
Lauroyl Lactylic Acid	Octoxynol-7	PEG-8 Caprylate
Laurtrimonium Chloride	Octoxynol-8	PEG-8 Caprylate/Caprate
Laurylmethicone Copolyol	Octoxynol-9	PEG-6 Caprylic/Capric Glycerides
Lauryl Phosphate	Octoxynol-10	PEG-8 Caprylic/Capric Glycerides
Lauryl Polyglyceryl-6 Cetearyl Glycol Ether	Octoxynol-11	PEG-2 Castor Oil
Lecithin	Octoxynol-12	PEG-3 Castor Oil
Magnesium PEG-3 Cocamide Sulfate	Octoxynol-13	PEG-4 Castor Oil
Mango Seed Oil PEG-70 Esters	Octoxynol-16	PEG-5 Castor Oil
Mannitan Laurate	Octoxynol-20	PEG-8 Castor Oil
Mannitan Oleate	Octoxynol-9 Carboxylic Acid	PEG-9 Castor Oil
MEA-Dicetearyl Phosphate	Octyl Dimethicone Ethoxy Glucoside	PEG-10 Castor Oil
Meroxapol 105	Octyldodeceth-2	PEG-11 Castor Oil
Meroxapol 108	Octyldodeceth-5	PEG-15 Castor Oil
Meroxapol 174	Octyldodeceth-10	PEG-16 Castor Oil
Meroxapol 251	Octyldodeceth-16	PEG-20 Castor Oil
Meroxapol 252	Octyldodeceth-20	PEG-25 Castor Oil
Meroxapol 311	Oleoyl Ethyl Glucoside	PEG-26 Castor Oil
Meroxapol 312	Oleth-2	PEG-29 Castor Oil
Methylglucose Doleate/Hydroxystearate	Oleth-3	PEG-30 Castor Oil
Mink Oil PEG-13 Esters	Oleth-4	PEG-33 Castor Oil
Myreth-2	Oleth-5	PEG-35 Castor Oil
Myreth-3	Oleth-6	PEG-36 Castor Oil
Myreth-4	Oleth-7	PEG-8 C12-18 Ester
Myreth-5	Oleth-8	PEG-3 Cocamide
Myreth-10	Oleth-9	PEG-5 Cocamide
Myreth-3 Carboxylic Acid	Oleth-10	PEG-6 Cocamide
Myristamidopropyl Dimethylamine Dimethicone	Oleth-11	PEG-7 Cocamide
Copolyol Phosphate	Oleth-12	PEG-11 Cocamide
Myristoyl Ethyl Glucoside	Oleth-15	PEG-20 Cocamide
Myristoyl Lactylic Acid	Oleth-16	PEG-2 Cocamine

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Surfactants - Emulsifying Agents (Cont.)

PEG-3 Cocamine	PEG-15 Glyceryl Oleate	PEG-10 Lanolate
PEG-5 Cocamine	PEG-20 Glyceryl Oleate	PEG-12 Lanolate
PEG-10 Cocamine	PEG-18 Glyceryl Oleate/Cocoate	PEG-15 Lanolate
PEG-15 Cocamine	PEG-15 Glyceryl Ricinoleate	PEG-20 Lanolate
PEG-20 Cocamine	PEG-20 Glyceryl Ricinoleate	PEG-5 Lanolin
PEG-15 Cocamine Oleate/Phosphate	PEG-5 Glyceryl Sesquioleate	PEG-10 Lanolin
PEG-11 Cocoa Butter Glycerides	PEG-5 Glyceryl Stearate	PEG-20 Lanolin
PEG-75 Cocoa Butter Glycerides	PEG-10 Glyceryl Stearate	PEG-24 Lanolin
PEG-5 Cocoate	PEG-20 Glyceryl Stearate	PEG-27 Lanolin
PEG-8 Cocoate	PEG-5 Glyceryl Triisostearate	PEG-30 Lanolin
PEG-9 Cocoate	PEG-15 Glyceryl Trioleate	PEG-40 Lanolin
PEG-10 Cocoate	PEG-25 Glyceryl Trioleate	PEG-75 Lanolin Wax
PEG-15 Cocoate	PEG-140 Glyceryl Tristearate	PEG-3 Lauramide
PEG-9 Cocoglycerides	PEG-20 Hexadecenylsuccinate	PEG-5 Lauramide
PEG-10 Coconut Oil Esters	PEG-2 Hydrogenated Castor Oil	PEG-6 Lauramide
PEG-15 Copolyamine	PEG-5 Hydrogenated Castor Oil	PEG-2 Laurate
PEG-20 Corn Glycerides	PEG-6 Hydrogenated Castor Oil	PEG-2 Laurate SE
PEG-60 Corn Glycerides	PEG-7 Hydrogenated Castor Oil	PEG-4 Laurate
PEG-8 Dicocoate	PEG-10 Hydrogenated Castor Oil	PEG-6 Laurate
PEG-4 Diheptanoate	PEG-16 Hydrogenated Castor Oil	PEG-8 Laurate
PEG-2 Diisobutanoate	PEG-20 Hydrogenated Castor Oil	PEG-9 Laurate
PEG-8 Diisostearate	PEG-25 Hydrogenated Castor Oil	PEG-10 Laurate
PEG-2 Dilaurate	PEG-30 Hydrogenated Castor Oil	PEG-12 Laurate
PEG-4 Dilaurate	PEG-35 Hydrogenated Castor Oil	PEG-14 Laurate
PEG-6 Dilaurate	PEG-40 Hydrogenated Castor Oil	PEG-6 Laurate/Tartarate
PEG-8 Dilaurate	PEG-20 Hydrogenated Castor Oil Isostearate	PEG-8 Linoleate
PEG-12 Dilaurate	PEG-50 Hydrogenated Castor Oil Isostearate	PEG-8 Linolenate
PEG-20 Dilaurate	PEG-50 Hydrogenated Castor Oil Succinate	PEG-20 Mannitan Laurate
PEG-32 Dilaurate	PEG-20 Hydrogenated Castor Oil Triisostearate	PEG-75 Meadowfoam Oil
PEG-2 Dioctanoate	PEG-5 Hydrogenated Corn Glycerides	PEG-20 Methyl Glucose Distearate
PEG-4 Dioleate	PEG-8 Hydrogenated Fish Glycerides	PEG-20 Methyl Glucose Sesquicaprylate/Sesquicaprate
PEG-6 Dioleate	PEG-5 Hydrogenated Lanolin	PEG-20 Methyl Glucose Sesquilaurate
PEG-8 Dioleate	PEG-10 Hydrogenated Lanolin	PEG-20 Methyl Glucose Sesquistearate
PEG-10 Dioleate	PEG-20 Hydrogenated Lanolin	PEG-13 Mink Glycerides
PEG-12 Dioleate	PEG-24 Hydrogenated Lanolin	PEG-8 Myristate
PEG-20 Dioleate	PEG-20 Hydrogenated Palm Glycerides	PEG-20 Myristate
PEG-32 Dioleate	PEG-13 Hydrogenated Tallow Amide	PEG-4 Octanoate
PEG-3 Dipalmitate	PEG-8 Hydrogenated Tallow Amine	PEG-5 Octanoate
PEG-13 Diphenylol Propane	PEG-10 Hydrogenated Tallow Amine	PEG-13 Octanoate
PEG-30 Dipolyhydroxystearate	PEG-15 Hydrogenated Tallow Amine	PEG-3 Oleamide
PEG-2 Distearate	PEG-20 Hydrogenated Tallow Amine	PEG-4 Oleamide
PEG-3 Distearate	PEG-15 Hydroxystearate	PEG-5 Oleamide
PEG-4 Distearate	PEG-6 Isolauryl Thioether	PEG-6 Oleamide
PEG-6 Distearate	PEG-8 Isolauryl Thioether	PEG-7 Oleamide
PEG-8 Distearate	PEG-10 Isolauryl Thioether	PEG-9 Oleamide
PEG-9 Distearate	PEG-6 Isopalmitate	PEG-2 Oleate
PEG-12 Distearate	PEG-4 Isostearate	PEG-2 Oleate SE
PEG-20 Distearate	PEG-6 Isostearate	PEG-3 Oleate
PEG-32 Distearate	PEG-8 Isostearate	PEG-4 Oleate
PEG-8 Ditallate	PEG-10 Isostearate	PEG-5 Oleate
PEG-12 Ditallate	PEG-12 Isostearate	PEG-6 Oleate
PEG-8 Di/Triricinoleate	PEG-15 Jojoba Acid	PEG-7 Oleate
PEG-60 Evening Primrose Glycerides	PEG-26 Jojoba Acid	PEG-8 Oleate
PEG-7 Glyceryl Cocoate	PEG-40 Jojoba Acid	PEG-9 Oleate
PEG-12 Glyceryl Dioleate	PEG-15 Jojoba Alcohol	PEG-10 Oleate
PEG-15 Glyceryl Isostearate	PEG-26 Jojoba Alcohol	PEG-11 Oleate
PEG-20 Glyceryl Isostearate	PEG-3 Lanolate	PEG-12 Oleate
PEG-8 Glyceryl Laurate	PEG-4 Lanolate	PEG-14 Oleate
PEG-12 Glyceryl Laurate	PEG-5 Lanolate	
PEG-15 Glyceryl Laurate	PEG-6 Lanolate	
PEG-20 Glyceryl Laurate	PEG-7 Lanolate	
PEG-10 Glyceryl Oleate	PEG-8 Lanolate	

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

PEG-15 Oleate	PEG-75 Soy Glycerides	Poloxamer 331
PEG-16 Oleate	PEG-5 Soy Sterol	Poloxamer 333
PEG-20 Oleate	PEG-10 Soy Sterol	Poloxamer 401
PEG-4 Olivate	PEG-16 Soy Sterol	Poloxamer 402
PEG-2 Olive Glycerides	PEG-25 Soy Sterol	Poloxamer 403
PEG-6 Olive Glycerides	PEG-30 Soy Sterol	Poloxamer 407
PEG-10 Olive Glycerides	PEG-4 Stearamide	Poloxamer 105 Benzoate
PEG-40 Olive Glycerides	PEG-5 Stearamine	Poloxamine 304
PEG-18 Palm Glycerides	PEG-10 Stearamine	Poloxamine 504
PEG-6 Palmitate	PEG-15 Stearamine	Poloxamine 701
PEG-18 Palmitate	PEG-2 Stearate	Poloxamine 702
PEG-20 Palmitate	PEG-2 Stearate SE	Poloxamine 704
PEG-12 Palm Kernel Glycerides	PEG-3 Stearate	Poloxamine 707
PEG-45 Palm Kernel Glycerides	PEG-4 Stearate	Poloxamine 901
PEG-25 Phytosterol	PEG-5 Stearate	Poloxamine 904
PEG-4 Polyglyceryl-2 Distearate	PEG-6 Stearate	Poloxamine 1101
PEG-10 Polyglyceryl-2 Laurate	PEG-7 Stearate	Poloxamine 1102
PEG-4 Polyglyceryl-2 Stearate	PEG-8 Stearate	Poloxamine 1104
PEG-4-PPG-7 C13/C15 Alcohol	PEG-9 Stearate	Poloxamine 1301
PEG/PPG-150/30 Copolymer	PEG-10 Stearate	Poloxamine 1302
PEG-3/PPG-2 Glyceryl/Sorbitol Hydroxystearate/ Isostearate	PEG-12 Stearate	Poloxamine 1304
PEG-20-PPG-10 Glyceryl Stearate	PEG-14 Stearate	Poloxamine 1307
PEG-4 Proline Linoleate	PEG-18 Stearate	Poloxamine 1501
PEG-4 Proline Linolenate	PEG-20 Stearate	Poloxamine 1502
PEG-8 Propylene Glycol Cocoate	PEG-6 Stearylguanidine	Poloxamine 1504
PEG-4 Rapeseedamide	PEG-2 Sunflower Glycerides	Polyglyceryl-3 Beeswax
PEG-2 Ricinoleate	PEG-10 Sunflower Glycerides	Polyglyceryl-2 Caprate
PEG-7 Ricinoleate	PEG-13 Sunflower Glycerides	Polyglyceryl-3 Caprate
PEG-8 Ricinoleate	PEG-4 Tallate	Polyglyceryl-4 Caprate
PEG-9 Ricinoleate	PEG-5 Tallate	Polyglyceryl-2 Caprylate
PEG-45 Safflower Glycerides	PEG-8 Tallate	Polyglyceryl-3 Cetyl Ether
PEG-8 Sesquilaurate	PEG-10 Tallate	Polyglyceryl-3 Cocoate
PEG-8 Sesquioleate	PEG-12 Tallate	Polyglyceryl-4 Cocoate
PEG-50 Shea Butter	PEG-14 Tallate	Polyglyceryl-10 Decalinoleate
PEG-60 Shea Butter Glycerides	PEG-15 Tallate	Polyglyceryl-10 Decaoleate
PEG-6 Sorbitan Beeswax	PEG-16 Tallate	Polyglyceryl-10 Decastearate
PEG-8 Sorbitan Beeswax	PEG-20 Tallate	Polyglyceryl-3 Decyltetradecyl Ether
PEG-20 Sorbitan Beeswax	PEG-5 Tallow Amide	Polyglyceryl-3 Dicaprate
PEG-40 Sorbitan Diisostearate	PEG-8 Tallow Amide	Polyglyceryl-3 Dicocoate
PEG-2 Sorbitan Isostearate	PEG-20 Tallowate	Polyglyceryl-10 Didecanoate
PEG-5 Sorbitan Isostearate	PEG-5 Tricapryl Citrate	Polyglyceryl-2 Diisostearate
PEG-20 Sorbitan Isostearate	PEG-5 Tricetyl Citrate	Polyglyceryl-3 Diisostearate
PEG-3 Sorbitan Oleate	PEG-5 Trilauryl Citrate	Polyglyceryl-10 Diisostearate
PEG-6 Sorbitan Oleate	PEG-5 Trimyristyl Citrate	Polyglyceryl-4 Dilaurate
PEG-40 Sorbitan Perisostearate	PEG-5 Tristearyl Citrate	Polyglyceryl Dimer Soyate
PEG-40 Sorbitan Peroleate	PEG-6 Undecylenate	Polyglyceryl-2 Dioleate
PEG-3 Sorbitan Stearate	PEG-8 Undecylenate	Polyglyceryl-3 Dioleate
PEG-6 Sorbitan Stearate	Pelargonic Acid	Polyglyceryl-6 Dioleate
PEG-30 Sorbitan Tetraoleate	Pentaerythrityl Stearate	Polyglyceryl-10 Dioleate
PEG-40 Sorbitan Tetraoleate	Phosphatidylcholine	Polyglyceryl-6 Dipalmitate
PEG-60 Sorbitan Tetraoleate	Poloxamer 101	Polyglyceryl-10 Dipalmitate
PEG-60 Sorbitan Tetrastearate	Poloxamer 105	Polyglyceryl-2 Distearate
PEG-20 Sorbitan Trisostearate	Poloxamer 122	Polyglyceryl-3 Distearate
PEG-40 Sorbitol Hexaoleate	Poloxamer 123	Polyglyceryl-6 Distearate
PEG-50 Sorbitol Hexaoleate	Poloxamer 124	Polyglyceryl-10 Distearate
PEG-30 Sorbitol Tetraoleate Laurate	Poloxamer 181	Polyglyceryl-10 Heptaoleate
PEG-60 Sorbitol Tetrastearate	Poloxamer 185	Polyglyceryl-10 Heptastearate
PEG-5 Soyamine	Poloxamer 212	Polyglyceryl-6 Hexaoleate
PEG-8 Soyamine	Poloxamer 215	Polyglyceryl-10 Hexaoleate
PEG-10 Soyamine	Poloxamer 231	Polyglyceryl-3 Hydroxylauryl Ether
PEG-15 Soyamine	Poloxamer 282	Polyglyceryl-2 Isopalmitate
	Poloxamer 284	Polyglyceryl-2 Isostearate

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Surfactants - Emulsifying Agents (Cont.)

Polyglyceryl-3 Isostearate	Polyglyceryl-6 Tristearate	PPG-2-Ceteth-10
Polyglyceryl-4 Isostearate	Polyglyceryl-10 Tristearate	PPG-2-Ceteth-20
Polyglyceryl-5 Isostearate	Polysorbate 20	PPG-4-Ceteth-1
Polyglyceryl-6 Isostearate	Polysorbate 21	PPG-4-Ceteth-5
Polyglyceryl-10 Isostearate	Polysorbate 40	PPG-4-Ceteth-10
Polyglyceryl-2 Lanolin Alcohol Ether	Polysorbate 60	PPG-4-Ceteth-20
Polyglyceryl-2 Laurate	Polysorbate 61	PPG-5-Ceteth-20
Polyglyceryl-3 Laurate	Polysorbate 65	PPG-8-Ceteth-1
Polyglyceryl-4 Laurate	Polysorbate 80	PPG-8-Ceteth-2
Polyglyceryl-5 Laurate	Polysorbate 81	PPG-8-Ceteth-5
Polyglyceryl-6 Laurate	Polysorbate 85	PPG-8-Ceteth-10
Polyglyceryl-10 Laurate	Polysorbate 80 Acetate	PPG-8-Ceteth-20
Polyglyceryl-4 Lauryl Ether	Potassium Babassuate	PPG-5-Ceteth-10 Phosphate
Polyglyceryl-3 Methylglucose Distearate	Potassium Castorate	PPG-10 Cetyl Ether Phosphate
Polyglyceryl-10 Mono/dioleate	Potassium Cetyl Phosphate	PPG-4 C13-15 Pareth-15
Polyglyceryl-3 Myristate	Potassium Cocoate	PPG-5 C9-15 Pareth-6
Polyglyceryl-10 Myristate	Potassium Cornate	PPG-6 C12-15 Pareth-12
Polyglyceryl-2 Oleate	Potassium Deceth-4 Phosphate	PPG-6 C12-18 Pareth-11
Polyglyceryl-3 Oleate	Potassium Dimethicone Copolyol Phosphate	PPG-2-Deceth-10
Polyglyceryl-4 Oleate	Potassium Isosteareth-2 Phosphate	PPG-4-Deceth-4
Polyglyceryl-5 Oleate	Potassium Laurate	PPG-6-Deceth-4
Polyglyceryl-6 Oleate	Potassium Lauryl Hydroxypropyl Sulfonate	PPG-6-Deceth-9
Polyglyceryl-8 Oleate	Potassium Lauryl Sulfate	PPG-8-Deceth-6
Polyglyceryl-10 Oleate	Potassium Linoleate	PPG-6-Decyltetradeceth-12
Polyglyceryl-2 Oleyl Ether	Potassium Myristate	PPG-6-Decyltetradeceth-20
Polyglyceryl-4 Oleyl Ether	Potassium Octoxynol-12 Phosphate	PPG-6-Decyltetradeceth-30
Polyglyceryl-3 Palmitate	Potassium Oleate	PPG-13 Decyltetradeceth-24
Polyglyceryl-6 Palmitate	Potassium Olive	PPG-20-Decyltetradeceth-10
Polyglyceryl-4 PEG-2 Cocamide	Potassium Palmitate	PPG-24-Glycereth-24
Polyglyceryl-2-PEG-4 Stearate	Potassium Peanutate	PPG-66-Glycereth-12
Polyglyceryl-10 Pentalaurate	Potassium Rapeseedate	PPG-10 Glyceryl Ether
Polyglyceryl-10 Pentalinoleate	Potassium Ricinoleate	PPG-27 Glyceryl Ether
Polyglyceryl-4 Pentaoleate	Potassium Soyate	PPG-2 Isoceteth-20 Acetate
Polyglyceryl-6 Pentaoleate	Potassium Stearate	PPG-2-Isodeceth-4
Polyglyceryl-10 Pentaoleate	Potassium Tallate	PPG-2-Isodeceth-6
Polyglyceryl-3 Pentaricinoleate	Potassium Tallowate	PPG-2-Isodeceth-9
Polyglyceryl-6 Pentaricinoleate	Potassium Undecylenate	PPG-2-Isodeceth-12
Polyglyceryl-10 Pentaricinoleate	PPG-2-Buteth-2	PPG-3-Isosteareth-9
Polyglyceryl-4 Pentastearate	PPG-4-Buteth-4	PPG-4-Jojoba Acid
Polyglyceryl-6 Pentastearate	PPG-5-Buteth-5	PPG-4-Jojoba Alcohol
Polyglyceryl-10 Pentastearate	PPG-7-Buteth-10	PPG-10-Jojoba Alcohol
Polyglyceryl-3 Polyricinoleate	PPG-9-Buteth-12	PPG-12-Laneth-50
Polyglyceryl-6 Polyricinoleate	PPG-10-Buteth-9	PPG-3-Laureth-9
Polyglyceryl-10 Polyricinoleate	PPG-12-Buteth-12	PPG-4-Laureth-2
Polyglyceryl-3 Ricinoleate	PPG-12-Buteth-16	PPG-4-Laureth-5
Polyglyceryl-2 Sesquisostearyl	PPG-15-Buteth-20	PPG-4-Laureth-7
Polyglyceryl-2 Sesquioleate	PPG-17-Buteth-17	PPG-5-Laureth-5
Polyglyceryl-3 Stearate SE	PPG-20-Buteth-30	PPG-6-Laureth-3
Polyglyceryl-2 Stearate	PPG-24-Buteth-27	PPG-25-Laureth-25
Polyglyceryl-3 Stearate	PPG-26-Buteth-26	PPG-7-Lauryl Ether
Polyglyceryl-4 Stearate	PPG-28-Buteth-35	PPG-3-Myreth-3
Polyglyceryl-8 Stearate	PPG-25 Butyl Ether Phosphate	PPG-3-Myreth-11
Polyglyceryl-10 Stearate	PPG-2-Ceteareth-9	PPG-2-PEG-6 Coconut Oil Esters
Polyglyceryl-2 Tetraisostearyl	PPG-4-Ceteareth-12	PPG-20-PEG-20 Hydrogenated Lanolin
Polyglyceryl-6 Tetraoleate	PPG-10-Ceteareth-20	PPG-2-PEG-11 Hydrogenated Lauryl Alcohol
Polyglyceryl-10 Tetraoleate	PPG-1-Ceteth-1	Ether
Polyglyceryl-2 Tetrastearate	PPG-1-Ceteth-5	PPG-12-PEG-50 Lanolin
Polyglyceryl-2 Trisostearate	PPG-1-Ceteth-10	PPG-12-PEG-65 Lanolin Oil
Polyglyceryl-3 Trisostearate	PPG-1-Ceteth-20	PPG-40-PEG-60 Lanolin Oil
Polyglyceryl-10 Trioleate	PPG-2-Ceteth-1	PPG-1-PEG-9 Lauryl Glycol Ether
Polyglyceryl-4 Tristearate	PPG-2-Ceteth-5	PPG-3-PEG-6 Oleyl Ether
		PPG-23-PEG-4 Trimethylolpropane

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Surfactants - Emulsifying Agents (Cont.)

PPG-68-PEG-10 Trimethylolpropane	Sodium Olivate	Sucrose Distearate
PPG-8 Polyglyceryl-2 Ether	Sodium Palmate	Sucrose Laurate
PPG-23-Steareth-34	Sodium Palmitate	Sucrose Myristate
PPG-1 Trideceth-6	Sodium Palm Kernelate	Sucrose Oleate
PPG-4 Trideceth-6	Sodium Peanutate	Sucrose Palmitate
Propylene Glycol Behenate	Sodium Phthalate Stearyl Amide	Sucrose Polybehenate
Propylene Glycol Capreth-4	Sodium Rapeseedate	Sucrose Polycottonseedate
Propylene Glycol Caprylate	Sodium Ricinoleate	Sucrose Polylaurate
Propylene Glycol Cocoate	Sodium Soyate	Sucrose Polylinoleate
Propylene Glycol Hydroxystearate	Sodium Stearate	Sucrose Polyoleate
Propylene Glycol Isodeceth-4	Sodium Steareth-4 Phosphate	Sucrose Polypalmitate
Propylene Glycol Isodeceth-12	Sodium Stearyl Lactylate	Sucrose Polysoyate
Propylene Glycol Isostearate	Sodium Stearyl Sulfate	Sucrose Polystearate
Propylene Glycol Laurate	Sodium Trideceth Sulfate	Sucrose Ricinoleate
Propylene Glycol Laureth-6	Sodium Tridecyl Sulfate	Sucrose Stearate
Propylene Glycol Linoleate	Sodium Undecylenate	Sunflower Seed Oil Glyceride
Propylene Glycol Linolenate	Sorbeth-2 Cocoate	Tall Oil Acid
Propylene Glycol Myristate	Sorbeth-6 Hexastearate	Tallow Acid
Propylene Glycol Oleate	Sorbitan Caprylate	Talloweth-6
Propylene Glycol Oleate SE	Sorbitan Cocoate	Tallow Glyceride
Propylene Glycol Oleth-5	Sorbitan Diisostearate	TEA-Canolate
Propylene Glycol Ricinoleate	Sorbitan Doleate	TEA-Dimethicone Copolyol Phosphate
Propylene Glycol Soyate	Sorbitan Distearate	TEA-Isostearate
Propylene Glycol Stearate	Sorbitan Isostearate	TEA-Laneth-5 Sulfate
Propylene Glycol Stearate SE	Sorbitan Laurate	TEA-Laurate
Raffinose Myristate	Sorbitan Oleate	TEA-Lauroyl Lactylate
Raffinose Oleate	Sorbitan Olivate	TEA-Myristate
Rapeseed Glyceride	Sorbitan Palmitate	TEA-Oleate
Safflower Glyceride	Sorbitan Sesquisosteate	TEA-Oleyl Sulfate
Sodium Babassuate	Sorbitan Sesquioleate	TEA-Palmitate
Sodium Beeswax	Sorbitan Sesquistearate	TEA-Stearate
Sodium Behenoyl Lactylate	Sorbitan Stearate	TEA-Tallate
Sodium Caproyl Lactylate	Sorbitan Triisostearate	TIPA-Stearate
Sodium Caprylate	Sorbitan Trioleate	Triceteareth-4 Phosphate
Sodium Capryleth-9 Carboxylate	Sorbitan Tristearate	Triceteth-5 Phosphate
Sodium Castorate	Soy Acid	Trideceth-2
Sodium Ceteth-13 Carboxylate	Steareth-2	Trideceth-3
Sodium Coceth Sulfate	Steareth-3	Trideceth-5
Sodium Cocoate	Steareth-4	Trideceth-6
Sodium Coco-Glucoside Tartrate	Steareth-5	Trideceth-7
Sodium Coco/Hydrogenated Tallow Sulfate	Steareth-6	Trideceth-8
Sodium Cocoyl Lactylate	Steareth-7	Trideceth-9
Sodium Diceteareth-10 Phosphate	Steareth-8	Trideceth-10
Sodium Isostearate	Steareth-10	Trideceth-11
Sodium Isostearoyl Lactate	Steareth-11	Trideceth-12
Sodium Isostearoyl Lactylate	Steareth-13	Trideceth-15
Sodium Laurate	Steareth-14	Trideceth-20
Sodium Laureth-4 Phosphate	Steareth-15	Trideceth-3 Phosphate
Sodium Laureth Sulfate	Steareth-16	Trideceth-6 Phosphate
Sodium Lauroyl Lactylate	Steareth-20	Trideceth-10 Phosphate
Sodium Lauryl Phosphate	Steareth-21	Triisostearin PEG-6 Esters
Sodium Linoleate	Stearic Acid	Trilaneth-4 Phosphate
Sodium/MEA Laureth-2 Sulfosuccinate	Stearoyl Inulin	Trilaureth-4 Phosphate
Sodium Myreth Sulfate	Stearoyl Lactylic Acid	Triolein PEG-6 Esters
Sodium Myristate	Stearoyl Leucine	Trioleth-8 Phosphate
Sodium Oleate	Stearyl Alcohol	Undecanoic Acid
Sodium Oleoyl Lactylate	Sucrose Cocoate	Undeceth-3
Sodium Oleth-7 Phosphate	Sucrose Dilaurate	Undeceth-5
Sodium Oleth-8 Phosphate		Undeceth-7

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Undeceth-9
Undecyleneth-6Undecylenic Acid
Vegetable Glycerides Phosphate

Wheat Germ Acid

Surfactants - Foam Boosters

Surfactants - Foam Boosters, are used in cosmetics to increase the foaming capacity of *Surfactants - Cleansing Agents*, or to stabilize foams in general. Foam boosters are substances which increase the surface viscosity of the liquid which surrounds the individual bubbles in a foam. These agents are commonly used in shaving soaps, shampoos, bubble baths, liquid soaps, mousses, or aerosol-dispensed foams. *Film Formers* or *Viscosity-Increasing Agents* are sometimes used as foam boosters. The listing below is generally limited to foam boosters which can also be classified as surfactants.

Acetamide MEA
Almondamide DEA
Almondamidopropylamine Oxide
Almondamidopropyl Betaine
Apricotamide DEA
Apricotamidopropyl Betaine
Avocadamide DEA
Avocadamidopropyl Betaine
Azelamide MEA
Babassuamide DEA
Babassuamidopropylamine Oxide
Babassuamidopropyl Betaine
Behenamide DEA
Behenamide MEA
Behenamidopropyl Betaine
Behenamine Oxide
Behenyl Betaine
Canolamidopropyl Betaine
Capramide DEA
Capryl/Capramidopropyl Betaine
Carnitine
Cetearyl Alcohol
Cetyl Alcohol
Cetyl Betaine
Cocamide DEA
Cocamide MEA
Cocamide MIPA
Cocamidoethyl Betaine
Cocamidopropyl Amine Oxide
Cocamidopropylamine Oxide
Cocamidopropyl Betaine
Cocamidopropyl Hydroxysultaine
Cocamine Oxide
Cocoamphodipropionic Acid
Cocobetainamido Amphopropionate
Coco-Betaine
Coco-Hydroxysultaine
Coco-Morpholine Oxide
Coconut Alcohol
Coco/Oleamido Propyl Betaine
Coco-Sultaine
Cocoyl Sarcosinamide DEA
DEA-Cocoamphodipropionate
DEA-Lauraminopropionate
Decyl Alcohol

Decylamine Oxide
Decyl Betaine
Decyltetradecylamine Oxide
Diethanolaminooleamide DEA
Dihydroxyethyl C8-10 Alkoxypropylamine Oxide
Dihydroxyethyl C9-11 Alkoxypropylamine Oxide
Dihydroxyethyl C12-15 Alkoxypropylamine Oxide
Dihydroxyethyl Cocamine Oxide
Dihydroxyethyl Lauramine Oxide
Dihydroxyethyl Stearamine Oxide
Dihydroxyethyl Tallowamine Oxide
Dimethicone Propyl PG-Betaine
Disodium Caproamphodiacetate
Disodium Caproamphodipropionate
Disodium Capryloamphodiacetate
Disodium Capryloamphodipropionate
Disodium Cetearyl Sulfosuccinate
Disodium Cocamido MIPA-Sulfosuccinate
Disodium Cocamido PEG-3 Sulfosuccinate
Disodium Cocaminopropyl Iminodiacetate
Disodium
 Cocoamphocarboxyethylhydroxypropylsulfonate
Disodium Cocoamphodiacetate
Disodium Cocoamphodipropionate
Disodium C12-15 Pareth Sulfosuccinate
Disodium Deceth-5 Sulfosuccinate
Disodium Deceth-6 Sulfosuccinate
Disodium Hydrogenated Cottonseed Glyceride
 Sulfosuccinate
Disodium Isodecyl Sulfosuccinate
Disodium Isostearamido MEA-Sulfosuccinate
Disodium Isostearamido MIPA-Sulfosuccinate
Disodium Isostearoamphodiacetate
Disodium Isostearoamphodipropionate
Disodium Isostearyl Sulfosuccinate
Disodium Laneth-5 Sulfosuccinate
Disodium Lauramido MEA-Sulfosuccinate
Disodium Lauramido PEG-2 Sulfosuccinate
Disodium Laureth-5 Carboxyamphodiacetate
Disodium Laureth Sulfosuccinate
Disodium Laureth-6 Sulfosuccinate
Disodium Laureth-9 Sulfosuccinate
Disodium Laureth-12 Sulfosuccinate
Disodium Lauroamphodiacetate
Disodium Lauroamphodipropionate

Disodium Lauryl Sulfosuccinate
Disodium Myristamido MEA-Sulfosuccinate
Disodium Nonoxynol-10 Sulfosuccinate
Disodium Oleamido MEA-Sulfosuccinate
Disodium Oleamido MIPA-Sulfosuccinate
Disodium Oleamido PEG-2 Sulfosuccinate
Disodium Oleamphodipropionate
Disodium Oleth-3 Sulfosuccinate
Disodium Oleyl Sulfosuccinate
Disodium Palmitamido PEG-2 Sulfosuccinate
Disodium Palmitoleamido PEG-2 Sulfosuccinate
Disodium PEG-4 Cocamido MIPA-Sulfosuccinate
Disodium PPG-2-Isodeceth-7
 Carboxyamphodiacetate
Disodium Ricinoleamido MEA-Sulfosuccinate
Disodium Stearamido MEA-Sulfosuccinate
Disodium Stearoamphodiacetate
Disodium Stearyl Sulfosuccinate
Disodium Stearyl Sulfosuccinate
Disodium Tallowamido MEA-Sulfosuccinate
Disodium Tallowamphodiacetate
Disodium Tallow Sulfosuccinate
Disodium Tridecylsulfosuccinate
Disodium Undecylenamido MEA-Sulfosuccinate
Disodium Undecylenamido PEG-2 Sulfosuccinate
Disodium Wheat Germamido MEA-Sulfosuccinate
Disodium Wheat Germamido PEG-2
 Sulfosuccinate
Disodium Wheatgermamphodiacetate
Di-TEA-Oleamido PEG-2 Sulfosuccinate
Ditridecyl Sodium Sulfosuccinate
Eucamidopropyl Hydroxysultaine
Hydrogenated Palm Kernel Amine Oxide
Hydrogenated Tallow Alcohol
Hydrogenated Tallowamide DEA
Hydrogenated Tallowamine Oxide
Hydrogenated Tallow Betaine
Hydroxyethyl Carboxymethyl
 Cocamidopropylamine
Hydroxyethyl Hydroxypropyl C12-15
 Alkoxypropylamine Oxide
Hydroxystearamide MEA
Isostearamide DEA

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.

Surfactants - Foam Boosters (Cont.)

Isostearamide MEA
Isostearamide MIPA
Isostearamidopropylamine Oxide
Isostearamidopropyl Betaine
Isostearamidopropyl Morpholine Oxide
Lactamide MEA
Lanolinamide DEA
Lauramide DEA
Lauramide MEA
Lauramide MIPA
Lauramide/Myristamide DEA
Lauramidopropylamine Oxide
Lauramidopropyl Betaine
Lauramine Oxide
Lauroamphodipropionic Acid
Lauryl Alcohol
Lauryl Betaine
Lauryl Hydroxysultaine
Lauryl Sultaine
Lecithinamide DEA
Linoleamide DEA
Linoleamide MEA
Linoleamide MIPA
Methyl Morpholine Oxide
Milkamidopropyl Amine Oxide
Milkamidopropyl Betaine
Minkamide DEA
Minkamidopropylamine Oxide
Minkamidopropyl Betaine
Myristamide DEA
Myristamide MEA
Myristamide MIPA
Myristamidopropylamine Oxide
Myristamidopropyl Betaine
Myristamine Oxide
Myristaminopropionic Acid
Myristyl Alcohol
Myristyl Betaine
Myristyl/Cetyl Amine Oxide
Oleamide DEA
Oleamide MEA
Oleamide MIPA
Oleamidopropylamine Oxide
Oleamidopropyl Betaine
Oleamidopropyl Hydroxysultaine
Oleamine Oxide
Oleyl Betaine
Olivamide DEA
Olivamidopropylamine Oxide
Olivamidopropyl Betaine
Palmamide DEA
Palmamide MEA
Palmamide MIPA

Palmamidopropyl Betaine
Palmitamide DEA
Palmitamide MEA
Palmitamidopropylamine Oxide
Palmitamidopropyl Betaine
Palmitamine Oxide
Palm Kernel Alcohol
Palm Kernelamide DEA
Palm Kernelamide MEA
Palm Kernelamide MIPA
Palm Kernelamidopropyl Betaine
Peanutamide MEA
Peanutamide MIPA
PEG-3 Cocamide
PEG-2 Hydrogenated Tallow Amine
PEG-3 Lauramide
PEG-2 Lauramine
PEG-3 Lauramine Oxide
PEG-3 Oleamide
PEG-2 Oleamine
PEG-2 Soyamine
PEG-2 Stearamine
Potassium Dihydroxyethyl Cocamine Oxide
Phosphate
Ricinoleamide DEA
Ricinoleamide MEA
Ricinoleamide MIPA
Ricinoleamidopropyl Betaine
Sesamide DEA
Sesamidopropylamine Oxide
Sesamidopropyl Betaine
Sodium Borageamidopropyl PG-Dimonium
Chloride Phosphate
Sodium C8-10 Alkyl Sulfate
Sodium Caproamphoacetate
Sodium Caproamphohydroxypropylsulfonate
Sodium Caproamphopropionate
Sodium Capryloamphoacetate
Sodium Capryloamphohydroxypropylsulfonate
Sodium Capryloamphopropionate
Sodium Cocoamphoacetate
Sodium Cocoamphohydroxypropylsulfonate
Sodium Coco PG-Dimonium Chloride Phosphate
Sodium Cornamphopropionate
Sodium Decyl Sulfate
Sodium Isostearamphoacetate
Sodium Isostearamphopropionate
Sodium Lauraminopropionate
Sodium Lauriminodipropionate
Sodium Lauroamphoacetate
Sodium Lauroamphohydroxypropylsulfonate

Sodium Lauroampho PG-Acetate Phosphate
Sodium Lauroamphopropionate
Sodium/MEA Laureth-2 Sulfosuccinate
Sodium Myristoamphoacetate
Sodium Oleoamphoacetate
Sodium Oleoamphohydroxypropylsulfonate
Sodium Oleoamphopropionate
Sodium Ricinoleamphoacetate
Sodium Stearoamphoacetate
Sodium Stearoamphohydroxypropylsulfonate
Sodium Stearoamphopropionate
Sodium Tallamphoacetate
Sodium Tallowamphoacetate
Sodium Tallowate
Sodium Undecylenoamphoacetate
Sodium Undecylenoamphopropionate
Sodium Wheat Germamphoacetate
Soyamide DEA
Soyamidopropylamine Oxide
Soyamidopropyl Betaine
Stearamide AMP
Stearamide DEA
Stearamide DEA-Distearate
Stearamide DIBA-Stearate
Stearamide MEA
Stearamide MEA-Stearate
Stearamide MIPA
Stearamidopropylamine Oxide
Stearamidopropyl Betaine
Stearamine Oxide
Stearyl Alcohol
Stearyl Betaine
Tallamide DEA
Tallowamide DEA
Tallowamide MEA
Tallowamidopropylamine Oxide
Tallowamidopropyl Betaine
Tallowamidopropyl Hydroxysultaine
Tallowamine Oxide
Tallow Betaine
TEA-Lauraminopropionate
TEA-Myristaminopropionate
Trideceth-2 Carboxamide MEA
Trisodium Lauroampho PG-Acetate Chloride
Phosphate
Undecylenamide DEA
Undecylenamide MEA
Undecylenamidopropylamine Oxide
Undecylenamidopropyl Betaine
Wheat Germamide DEA
Wheat Germamidopropylamine Oxide
Wheat Germamidopropyl Betaine

Surfactants - Hydrotropes

Surfactant - Hydrotropes are surfactants which have the ability to enhance the water solubility of another surfactant. Prominent members of this group are short chain alkyl aryl sulfonates, sulfosuccinates, and some nonionic surfactants.

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.